CONTAINS NO CSI



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

90-890000588

JUL 28 1989

RECEIVED

AUG 0 7989

Ms. Tracy Potter
Canandigua Plastics Division
Voplex Corporation
203 North Street
Canandigua, NY 14424

Canandaigua Plastics Diy. Personnel Department

Dear Ms. Potter:

This is in reply to your letter of June 30, 1989, in which you requested an extension of the reporting deadline for the Comprehensive Assessment Information Rule (CAIR) for TDI.

In response to requests from certain industry trade associations, EPA granted a 30-day extension for all CAIR notification and reporting deadlines (54 FR 6918, February 15, 1989). Accordingly, the deadline for submission of a reporting form by manufacturers, importers, and processors was extended to June 7, 1989, and reporting by persons who process a CAIR listed substance under a trade name was extended to July 6, 1989.

EPA has evaluated your extension request and has decided to grant Voplex Corporation an additional thirty days. Accordingly, your reporting deadline will be August 4, 1989. No further extensions will be granted.

Sincerely yours,

Joseph J. Merenda, Director Existing Chemical Assessment Division

cc:

Mike Wood Fred Stiehl Frank Caesar Doug Sellers

CONTAINS NO CBI



Form Approved
OMB No. 2010-0019
Approval Expires 12-31-89



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Comprehensive Assessment Information Rule

REPORTING FORM

When completed, send this form to:

Document Processing Center Office of Toxic Substances, TS-790 U.S. Environmental Protection Agency 401 M Street, SW Washington, DC 20460 Attention: CAIR Reporting Office For Agency Use Only:

Date of Receipt:

Document
Control Number:

Docket Number: __

		SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION	
PART	A G	GENERAL REPORTING INFORMATION	
1.01	Thi	is Comprehensive Assessment Information Rule (CAIR) Reporting Form has been	
<u>CBI</u>	com	inpleted in response to the <u>Federal Register Notice of $[1]2]$</u> $[2]2]$ $[8]8$ year	
[_]	a.	If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal	
		Register, list the CAS No $[0]2]6]4]7]1]-[6]2]-[5]$	<u> </u>
	ь. МА	If a chemical substance CAS No. is not provided in the <u>Federal Register</u> , list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name o the chemical substance as provided in the <u>Federal Register</u> .	f
		(i) Chemical name as listed in the rule	
		(ii) Name of mixture as listed in the rule	
		(iii) Trade name as listed in the rule	
	c. N/A	If a chemical category is provided in the <u>Federal Register</u> , report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.	
		Name of category as listed in the rule	
		CAS No. of chemical substance [_]_]_]_]_]_]_]_]_]_]_]_[]_	- -
		Name of chemical substance	
		entify your reporting status under CAIR by circling the appropriate response(s).	
<u>CBI</u>		ufacturer	
[_]	Impo	orter	2
	Proc	cessor	3
	X/P	manufacturer reporting for customer who is a processor	4
	X/P	processor reporting for customer who is a processor	5
[_]	Mark	(X) this box if you attach a continuation sheet.	

1.03	Does the substance you are reporting on have an "x/p" designation associated with it in the above-listed Federal Register Notice?
<u>CBI</u>	Yes $[\overline{X}]$ Go to question 1.04 No $[\overline{\underline{X}}]$ Go to question 1.05
1.04 <u>CBI</u> [_]	a. Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the Federal Register Notice? Circle the appropriate response. Yes
	[] You have chosen to report for your customers [] You have submitted the trade name(s) to EPA one day after the effective date of the rule in the Federal Register Notice under which you are reporting.
1.05 CBI	If you buy a trade name product and are reporting because you were notified of your reporting requirements by your trade name supplier, provide that trade name. PXI 4744-63 Isocyanate, PXO 68-12 Isocyanate
[_]	Is the trade name product a mixture? Circle the appropriate response.
(Yes
1.06 <u>CBI</u>	Certification The person who is responsible for the completion of this form must sign the certification statement below: "I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate." Tracy A. Potter NAME Safety Coordinator (716) 394 - 3680
	TITLE TELEPHONE NO.
LJ	Mark (X) this box if you attach a continuation sheet.

1.07			
<u>CBI</u>	with the required information within the past 3 years, and t for the time period specified are required to complete secti	f you have provided EPA or another F on a CAIR Reporting Form for the lis his information is current, accurate in the rule, then sign the certifica on 1 of this CAIR form and provide a y submitted. Provide a copy of any ction 1 submission.	ted substance , and complete tion below. You ny information
	information which I have not i	best of my knowledge and belief, al ncluded in this CAIR Reporting Form and is current, accurate, and compl	has been submitted
		N/A	
	NAME	SIGNATURE	DATE SIGNED
	TITLE		DATE OF PREVIOUS SUBMISSION
<u>CBI</u>	"My company has taken measures and it will continue to take the been, reasonably ascertainable	tements truthfully and accurately ap hich you have asserted. to protect the confidentiality of these measures; the information is no by other persons (other than govern	he information, t, and has not
	a judicial or quasi-judicial printering information is not publicly available.	than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	special need in ent; the the information
	a judicial or quasi-judicial printering information is not publicly available.	roceeding) without my company's cons ailable elsewhere; and disclosure of	special need in ent; the the information
	a judicial or quasi-judicial printering information is not publicly available.	roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	special need in ent; the the information
	a judicial or quasi-judicial pinformation is not publicly avould cause substantial harm to	roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position. N/A	special need in ent; the the information

PART	B CORPORATE DATA
1.09	Facility Identification
<u>CBI</u>	Name [C]A]N]A]N]D]A]I]G]U]A]]P]L]A]S]T]I]C]S]]D]I]V]] Address [2]0]3]]N]O]R]T]H]]]S]T]R]E]E]T]]]]]]]]]]]]]
	$\begin{bmatrix} \overline{N} \end{bmatrix} \overline{Y} \end{bmatrix} \begin{bmatrix} \overline{1} \end{bmatrix} \overline{4} \end{bmatrix} \overline{4} \end{bmatrix} \overline{2}] \overline{4}] - [\overline{0}] \overline{0}] \overline{0}] \overline{0} $
	Dun & Bradstreet Number [0]0]-[2]2]2]-[3]9]7]2 EPA ID Number [0]0]0]0]6]0]3]5]7]1 Employer ID Number UK []]]]]]]]]]] Primary Standard Industrial Classification (SIC) Code [3]0]8]9 Other SIC Code []]]]]]] Other SIC Code []]]]]]
1.10	Company Headquarters Identification
<u>CBI</u>	Name [V]0]P]I]E]X]]C]0]R]P]0]R]A]T]I]0]N]]]]]]]]]]]]]]Address [8]0]0]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
	[M]T] [4]8]0]8]3][1]1]4]7 State Zip Dun & Bradstreet Number [0]0]-[2]2]0]-[6]0]6]8 Employer ID Number UK []]]]]]]]]]

1.11	Parent Company Identification SAME AS COMPANY HEADQUARTERS SEE 1.10
<u>CBI</u>	Name [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]]]]]_]_]_]
	Dun & Bradstreet Number
1.12	Technical Contact
<u>CBI</u>	Name [T]R]A]C]Y]]P]O]T]T]E]R]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
	$\begin{bmatrix} \overline{\mathbf{N}} \end{bmatrix} \underline{\mathbf{v}} $ $\begin{bmatrix} \overline{1} \end{bmatrix} \underline{4} \begin{bmatrix} \overline{1} \end{bmatrix} \underline{4} \begin{bmatrix} \overline{1} \\ \overline{2} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \\ \underline{0} \end{bmatrix} \underline{0} \begin{bmatrix} \overline{0} \end{bmatrix} \underline{0} \end{bmatrix} \underline{0} \underline{0} \end{bmatrix} \underline{0} \underline{0}$
	Telephone Number
1.13	This reporting year is from $\begin{bmatrix} 0 \\ 1 \end{bmatrix}$ $\begin{bmatrix} 8 \\ 8 \end{bmatrix}$ to $\begin{bmatrix} 1 \\ 2 \end{bmatrix}$ $\begin{bmatrix} 8 \\ 8 \end{bmatrix}$ Mo. Year Mo. Year
[_] 1	Mark (X) this box if you attach a continuation sheet.

1.14	Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller:
<u>CBI</u>	Name of Seller [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]_]_]]]_]_]_]_]_]
	Employer ID Number
	Date of Sale
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]]]]]]]]
	Telephone Number
1.15	Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer: N/A
CBI	Name of Buyer []]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]_]_][_]]_]_] State
	Employer ID Number
	Date of Purchase
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]]]]
	Telephone Number
[<u>]</u>] M	Mark (X) this box if you attach a continuation sheet.

	Classification	Quantity (kg/y
ı	Manufactured	0.0
	Imported	0.0
]	Processed (include quantity repackaged)	·41,277.6 kg/
(Of that quantity manufactured or imported, report that quantity:	
	In storage at the beginning of the reporting year	0.0
	For on-site use or processing	. 0.0
	For direct commercial distribution (including export)	
	In storage at the end of the reporting year	• 0.0
(Of that quantity processed, report that quantity:	
	In storage at the beginning of the reporting year	·0.0
	Processed as a reactant (chemical producer)	. 0.0
	Processed as a formulation component (mixture producer)	
	Processed as an article component (article producer)	. 41,277.6 k
	Repackaged (including export)	• 0.0
	In storage at the end of the reporting year	

or a c	omponent of a mixture,	N/A		ponen t
]	Component Name	N/A Supplier Name	Average % Composition by (specify preci e.g., 45% ±	Weigh ision,
			Total	100%
			·	

2.04	State the quantity of the listed substance that your facility many or processed during the 3 corporate fiscal years preceding the representation of the descending order.	ifactured, in porting year	mported, in
CBI			
[_]	Year ending	$[\frac{1}{1}]\frac{1}{2}$ Mo.	[<u>8</u>] <u>7</u>] Year
	Quantity manufactured	0.0	kg
	Quantity imported	0.0	kg
	Quantity processed	54,391.2	kg
	Year ending	$\cdots [\overline{1}]\overline{2}]$	[<u>8</u>] <u>6</u>] Year
	Quantity manufactured	0.0	kg
	Quantity imported	0.0	kg
	Quantity processed	UK	kg
	Year ending	$\cdots \begin{bmatrix} \overline{1} \end{bmatrix} \overline{\underline{2}} \end{bmatrix}$ Mo.	[<u>8]</u> 5] Year
	Quantity manufactured	0.0	kg
	Quantity imported	0.0	kg
	Quantity processed	UK	kg
2.05 CBI	Specify the manner in which you manufactured the listed substance. appropriate process types.	Circle all	
[_]	Continuous process		1
	Semicontinuous process		2
	Batch process		3
	Mark (X) this box if you attach a continuation sheet.		
,—,	(, this out if you attack a continuation sheet.		

	appropriate process ty		the listed substance.	Circle all	
[_]	Continuous process	• • • • • • • • • • • • • • • • • • • •		•••••	
	Semicontinuous process	}	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	(
	Batch process	······································	•••••	•••••	
2.07 CBI	State your facility's substance. (If you ar question.)	name-plate capacity i e a batch manufacture	for manufacturing or per or batch processor,	rocessing the li do not answer t	isted this
[_]	Manufacturing capacity				kg/yı
	Processing capacity .		-	UK	kg/yr
<u>CBI</u>	volume.	Manufacturing Quantity (kg)	Importing Quantity (kg)	Processing Quantity (k	
[_]					
	Amount of increase	***			
	Amount of decrease	. 0	0	41,277.6 kg/ total decreas	yr se

2.09	listed substanc substance durin	argest volume manufacturing or processing proces, specify the number of days you manufactured of the reporting year. Also specify the average s type was operated. (If only one or two opera	or processed number of h	the listed ours per
<u>CBI</u>			_Days/Year	Average Hours/Day
	Process Type #1	(The process type involving the largest quantity of the listed substance.)		
		Manufactured	0	0
		Processed	200	7
	Process Type #2	(The process type involving the 2nd largest quantity of the listed substance.)		
		Manufactured	0	0
		Processed	100	10
	Process Type #3	(The process type involving the 3rd largest quantity of the listed substance.)		
		Manufactured	0	0
		Processed	40	
2.10 <u>CBI</u> []	substance that chemical. Maximum daily in	um daily inventory and average monthly inventory was stored on-site during the reporting year in new new new new new new new new new ne	the form of	
[_]	Mark (X) this be	ox if you attach a continuation sheet.		

roducts, or Impurities	Concentration %) (specify ± % precision)	Byproduct, Coproduct or Impurity ¹	Chemical Name	CAS No.
		A		
-				

a. Product Types ¹	b. % of Quantity Manufactured, Imported, or Processed	c. % of Quantity Used Captively On-Site	d. Type of End-Use
<u>B</u>	100%	100%	I:
<pre>Use the following code A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilize Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsif J = Flame retardant K = Coating/Binder/Adhe</pre>	/Accelerator/ er/Scavenger/ /Sequestrant /Degreaser modifier/Antiwear ier esive and additives	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Col O = Photographic/Re and additives P = Electrodepositi Q = Fuel and fuel a R = Explosive chemi S = Fragrance/Flavo T = Pollution contr U = Functional flui V = Metal alloy and W = Rheological mod X = Other (specify)	orant/Ink and addit prographic chemical on/Plating chemical dditives cals and additives r chemicals ol chemicals ds and additives additives ifier
² Use the following code: I = Industrial	s to designate the CS = Cons		

<u>CBI</u>	corporate fiscal year. For each import, or process for each use a substance used during the reportiused captively on-site as a percetypes of end-users for each product explanation and an example.)	use, specifus a percent ong year. A entage of th	age of the total vo lso list the quanti e value listed unde	expect to manufacture plume of listed ty of listed substancer column b., and the
	a. b) .	c.	d.
	Manufa , Impor	uantity ctured, ted, or essed	% of Quantity Used Captively On-Site	Type of End-Users ²
	NONE			
	¹ Use the following codes to desig	nate produc	t types:	
	<pre>A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerat</pre>	М	= Plasticizer	e/Rubber and additives
	Sensitizer	0	<pre>= Photographic/Rep and additives</pre>	
	D = Inhibitor/Stabilizer/Scaveng		- Electrodenosition	n/Plating chemicals
	<pre>D = Inhibitor/Stabilizer/Scaveng Antioxidant E = Analytical reagent</pre>	P Q	= Fuel and fuel add	
	<pre>D = Inhibitor/Stabilizer/Scaveng Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestra G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/</pre>	P Q Q nt R S Antiwear T	<pre>= Fuel and fuel add = Explosive chemica = Fragrance/Flavor = Pollution control</pre>	ditives als and additives chemicals l chemicals
	<pre>D = Inhibitor/Stabilizer/Scaveng Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestra: G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/ agent I = Surfactant/Emulsifier J = Flame retardant</pre>	P Q nt R S Antiwear T U V	= Fuel and fuel add = Explosive chemica = Fragrance/Flavor = Pollution control = Functional fluids = Metal alloy and a = Rheological modi	ditives als and additives chemicals chemicals s and additives additives fier
	<pre>D = Inhibitor/Stabilizer/Scaveng Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestra: G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/ agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and and antioxidate</pre>	nt R S Antiwear T U V wadditives X	= Fuel and fuel add = Explosive chemica = Fragrance/Flavor = Pollution control = Functional fluids = Metal alloy and a = Rheological modia = Other (specify)	ditives als and additives chemicals chemicals s and additives additives fier
	D = Inhibitor/Stabilizer/Scaveng Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestra G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/ agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive and and another another and another another and another another and another anot	nt R S Antiwear T U V wadditives X	= Fuel and fuel add = Explosive chemics = Fragrance/Flavor = Pollution control = Functional fluids = Metal alloy and a = Rheological modis = Other (specify) pe of end-users:	ditives als and additives chemicals chemicals s and additives additives fier

a.	b.	c.	d.
a •	.	Average %	u.
		Composition of	
1	Final Product's	Listed Substance	Type of
Product Type ¹	Physical Form ²	in Final Product	End-Users
	N/A	1	
¹ Use the following o	codes to designate pro	oduct types:	
A = Solvent		L = Moldable/Castable	/Rubber and add
B = Synthetic react	tant	M = Plasticizer	Mubber and add
C = Catalyst/Initia		N = Dye/Pigment/Color	ant/Ink and add
Sensitizer	2017 110001011017	0 = Photographic/Repr	ographic chemic
D = Inhibitor/Stabi	ilizer/Scavenger/	and additives	ographic chemic
Antioxidant	1112e1/ Scavenge1/	P = Electrodeposition	/Plating showing
E = Analytical reag	ron t	Q = Fuel and fuel add	
F = Chelator/Coagul	lant/Sequestrant	R = Explosive chemica	
G = Cleanser/Deterg		S = Fragrance/Flavor	
	tion modifier/Antiwear		
agent		U = Functional fluids	
<pre>I = Surfactant/Emu]</pre>		V = Metal alloy and a	
J = Flame retardant	:	W = Rheological modif	ier
<pre>K = Coating/Binder/</pre>	Adhesive and additive	es $X = Other (specify)$	
² Use the following o	codes to designate the	final product's physic	al form:
A = Gas		stalline solid	
B = Liquid	F3 = Gra		
C = Aqueous solution		er solid	
D = Paste	G = Gel		
E = Slurry		er (specify)	
F1 = Powder		\-\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
³ Use the following o	odes to designate the	type of end-users:	
I = Industrial	CS = Con		
		er (specify)	
CM = Commercial			

2. CB	15 I	Circ list	le all applicable modes of transportation used to deliver bulk shipments of ed substance to off-site customers.	f the
[_]	Truc	N/A k	
		Rail	car	
		Barg	e, Vessel	
		Pipe:	line	
		Plane	e	
		0the:	r (specify)	6
2. CB		or p	omer Use Estimate the quantity of the listed substance used by your cust repared by your customers during the reporting year for use under each cate nd use listed (i-iv).	omers gory
[_	_]	Cato	N/A gory of End Use	
		i.	Industrial Products	
		1.		
			Chemical or mixture	
			Article	kg/yr
		ii.	Commercial Products	
			Chemical or mixture	kg/yr
			Article	kg/yr
		iii.	Consumer Products	
			Chemical or mixture	kg/yr
			Article	kg/yr
		iv.	<u>Other</u>	
			Distribution (excluding export)	kg/yr
			Export	kg/yr
			Quantity of substance consumed as reactant	kg/yr
			Unknown customer uses	kg/.yr
[_]	Mark	(X) this box if you attach a continuation sheet.	

SECTION 3 PROCESSOR RAW MATERIAL IDENTIFICATION

3.01 CBI []	Specify the quantity purchased and the average price paid for the listed substance for each major source of supply listed. Product trades are treated as purchases. The average price is the market value of the product that was traded for the listed substance.							
ι,	Source of Supply	Quantity (kg)	Average Price (\$/kg)					
	The listed substance was manufactured on-site.	0.0	0.0					
	The listed substance was transferred from a different company site.	0.0	0.0					
	The listed substance was purchased directly from a manufacturer or importer.	41,277.6	\$2.91					
	The listed substance was purchased from a distributor or repackager.	0.0	0.0					
	The listed substance was purchased from a mixture producer.	0.0	0.0					
3.02 CBI	Circle all applicable modes of transportation used to your facility.	deliver the lis	ted substance to					
[_]	Truck		1					
	Railcar							
	Barge, Vessel		3					
	Pipeline							
	Plane		5					
	Other (specify)	••••••	6					

3.03 CBI	a.	Circle all applicable containers used to transport the listed substance to your facility.
[_]		_
		Bags 1
		Boxes 2
		Free standing tank cylinders 3
		Tank rail cars
		Hopper cars 5
		Tank trucks 6
		Hopper trucks 7
		(Drums)
		Pipeline 9
		Other (specify)10
	b .	If the listed substance is transported in pressurized tank cylinders, tank rail cars, or tank trucks, state the pressure of the tanks.
		Tank cylinders mmHg
		Tank rail cars mmHg
		Tank trucks mmHg
	w	ck (X) this box if you attach a continuation sheet.
[_]	nai	A (A) this ook it you attach a continuation sheet.

of the mixture, the n average percent compo	ame of its supplier(s) sition by weight of the	substance in the form of a mixture, list th of its supplier(s) or manufacturer(s), an e on by weight of the listed substance in the ed during the reporting year.		
Trade Name	Supplier or Manufacturer	Average % Composition by Weight (specify ± % precision)	Amount Processed (kg/yr)	
	N	I/A		
	.			
			·	
Mark (X) this box if y				

1 r

	Quantity Used (kg/yr)	% Composition by Weight of Listed Sub- stance in Raw Material
Class I chemical	4762.8	(specify ± % precision 40%
	36,514.8	50%
Class II chemical		
Polymer		

	SECTION	4 PHYSICAL/CHEMIC	CAL PROPERTIES	
Gene	ral Instructions:			***************************************
If you	ou are reporting on a mixture at are inappropriate to mixtu	as defined in the res by stating "NA	glossary, reply to qu mixture."	estions in Sectio
notio	questions 4.06-4.15, if you pose that addresses the informa mile in lieu of answering the	tion requested, yo	u may submit a copy or	el, MSDS, or othe reasonable
PART	A PHYSICAL/CHEMICAL DATA SUI	MARY		
4.01 <u>CBI</u>	Specify the percent purity substance as it is manufacte substance in the final produimport the substance, or at	ured, imported, or uct form for manufa	processed. Measure tacturing activities, a	he purity of the the the tou
()	<u> 1</u>	Manufacture	Import	Process
	Technical grade #1	% purity	% purity	UK% purit
	Technical grade #2	% purity	% purity	<u>UK</u> % purity
	Technical grade #3	% purity	% purity	% purity
	¹ Major = Greatest quantity o	of listed substance	manufactured, importe	ed or processed.
4.02	substance, and for every for an MSDS that you developed a	mulation containin Ind an MSDS develop	g the listed substance	e. If you possess
	Yes	•••••	• • • • • • • • • • • • • • • • • • • •	
	No	* * * * * * * * * * * * * * * * * * * *	•••••	
	Indicate whether the MSDS wa			
	Your company			
/	Another source			

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

DATA SHEET

MATERIAL SAFETY BASE Corporation Chemicals Division 100 Cherry Hill Road, Parsippeny, New Jersey 07054, (201) 316-3000

HMIS: H4 F1 R1

05-9903

PRODUCT NUMBER: 585415

PXO 68-12 Isocyanate

PRODUCT NUMBER 383415 PAG 66 15						
(SEE 1997) 1999 1	SECTION		*Registered: Trademarks			
TRADE NAME: PX0 88-12 Isocyanate.						
CHEMICAL NAME: Isocyanate Prepolym	or					
SYNONYMS: TDI: Prepolymen	FORM	IULA: M	1xture -			
CHEMICAL FAMILY: Aromatic Isocyanate	3 ***		MOL. WGT.: N/A			
SECTION	ulle-NG:	(EDHEN)	18.			
COMPONENT	CAS NO.	%	PEL/TLV - SOURCE			
PXO 58-12 Isocyanate Contains: _Toluene-DiisocyanateTDI	5 84-84-9 @	100	Not established 0.005 ppm ACGIH 1983			
	91-08-7		0.02 ppm Cetling OSHA PEt.			
Isocyanate Prepolymer		>45	Not established			
Diphenylmethane DiisocyanateMDI	101-68-8	<18	0.005 ppm; ACGIH			
SARA Title III Sect. 313: Listed. All components are in TSCA inventory.						
SECTION	IIIPHYS	e#Aliis	ATA:			
BOILING/MELTING POINT #780 mm Hg: N/A	·	pH: N/	A.v.			
VAPOR PRESSURE mm Hg #20 C: 0.01 (TDI)	Viscos	itye 77°F :400 cps			
SPECIFIC GRAVITY OR BULK DENSITY: 1.1	S ************************************	ne da la cualificación de companyo	and the second of the second o			
SOLUBILITY IN WATER: Water Reacts	and the second of the control of the	ran James Johnson Jagon	in manata (, , ,) i s amaa a ja ka			
APPEARANCE: Dark Brown Liquid	ODOR: Pungent		INTENSITY: Strong			
SECTIONAL SERVICES		Kileni	FIAZA: IBBBA PA			
FLASH POINT (TEST METHOD): >200 F F		s in the same	AUTOIGNITION TEMPTHAN			
FLAMMABILITY"LIMITS"IN AIR" (% BY VOL)	LOWER: N/		UPPER: N/A			
EXTINGUISHING Use water fog, for MEDIUM	moor CQ2 extin	guishing	modia.i4 d. pulsa a figura de la companya de de la companya de la			
UNUSUAL FIRE nitrogen dioxide in Avoid water contain	s and turnout te fires must b tumes as well s aination in clo	gear: Pe e protect s isocyan sed conta	rsonnel engaged in ed against late vapors. Liners or confined			
HAZARDS areas; carbon-dio			NATE CONTRACTOR OF THE PARTY OF			
THE ANIMADED TO ALLASIA ADA	200 000	WEEKS INC.	San			

THIS NUMBER IS AVAILABLE DAYS, NIGHTS, WEEKENDS, AND HOLIDAYS

DP102 12/87

PRODUCT NUMBER: 585415

PXO 68-12 Isocyanate

SECTION V - HEALTH DATA

TOXICOLOGICAL TEST DATA:

PXO 68-12 Isocvanate

Toluene Diisocyanate--TDI

Rat. Oral LD50 Mouse, Inhalation LC50 Diphenylmethane Diisocyanate--MDI RESULT:

Severe eye and skin irritant, sensitizer 5.8 g/kg. 10 ppm/4 H

Respiratory sensitization possible

EFFECTS OF OVEREXPOSURE:

Inhalation of the vapors causes severe irritation to lungs and pulmonary edema can occur after a serious vapor exposure. Liquid contact causes serious skin and eye burns. Pulmonary sensitization can occur in some individuals leading to asthma-type spasms of the bronchial tubes and difficulty in breathing. Preclude from exposure to those individuals having a history of respiratory illness, asthmatic conditions, eye damage or TDI sensitization. Recent studies indicate that overexposure may be associated with chronic lung impairment. In a National Toxicology Program (NTP) study, TDI was carcinogenic when given orally to rats and mice at maximum tolerated doses. TDI was not carcinogenic to rats in a two-year inhalation study. Based on the results of the oral study, TDI was included in the NTP Annual Report on Carcinogens.

FIRST AID PROCEDURES:

Eyes-Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.

Skin-Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder

.contaminated clothing before reuse.
Ingestion-If swallowed, DO NOT INDUCE VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.

Inhalation-Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

SECTION VI -- REACTIVITY DATA

STABILITY:

Stable.

CONDITIONS TO AVOID:

Avoid temperatures >40 C for extended periods of time.

CHEMICAL INCOMPATIBILITY:

Basic compounds, caustic soda, tertiaryamines, water:

HAZARDOUS DECOMPOSITION PRODUCTS: TDI vapors, NOX, CO:and HCN.

HAZARDOUS POLYMERIZATION:

May occur. Avoid contamination with moisture and other products that react with isocyanates.

CONDITIONS TO AVOID:

CORROSIVE TO METAL:

No

OXIDIZER: No

RESPIRATORY PROTECTION:

Approved respirator for transferring operations or escape.

Self-contained breathing apparatus if the P.E.L. is exceeded, or in confined areas or if a leak occurs.

EYE PROTECTION:

Wear fitted goggles or face shield and safety glasses.

Rubber-gloves, coveralls, boots, and rubber-apron which PROTECTIVE CLOTHING: must be cleaned after each use...

VENTILATION:

Use local exhaust wherever vapors are generated....

OTHER:

Maintain work area below P.E.L.



PRODUCT NUMBER: 585415

PXO 68-12 Isocyanate

SECTION VIII --- ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA:

Aquatic toxicity rating: TLm 98: 10 ppm - 1 ppm.

SPILL AND LEAK PROCEDURES:

PXD 58-12 Isocyanate is:a RCRA-regulated product: Wear protective* clothing and evacuate all not involved in the cleanup. For minor spills, absorb with absorbent and containerize, into open top drums... Decontaminate :: spill area with a mixture of 90% water; 8% concentrated amonta and:

HAZARDOUS SUBSTANCE SUPERFUND: Yes

RQ_(lbs):

100:

WASTE DISPOSAL METHOD:

2% determent. Dispose of waste in a RCRA-permitted facility. Incinerate or landfill in a RCRA-permitted facility.

HAZARDOUS WASTE 40CFR261: Yes. HAZARDOUS WASTE NUMBER: U 223...

CONTAINER DISPOSAL:

Containers should be neutralized with liquid decontaminant. Empty containers; containing less than it of residue; may be landfilled. If containers are not empty, they must be disposed as a hazardous waste in a RCRA-licensed facility.

STERRION NO THE THE RICHARD NAMED IN

anto propi Alaman

D.O.T. PROPER SHIPPING NAME (49CFR172.101-102)

HAZARDOUS SUBSTANCE. (49CFR CERCLA LIST)

Poison B, Liquid NOS

Yes--TDI.

REPORTABLE QUANTITY (RQ)

D.O.T. HAZARD CLASSIFICATION (CFR172.101-102)

PRIMARY

Potson B

. . . . SECONDARY

D.O.T. LABELS REQUIRED (49CFR172.101-102)

Potson

D.O.T. PLACARDS
REQUIRED (CFR172.504) (49CFR172.203(K))
Polson

1 251 L

BILL OF LADING DESCRIPTION
Poison B Liquid, NOS (Contains Toluene-Diisocyanate) - UN 2810 RQ ***Placarded Polson***

(Plastic Synthetic Liquid, NOIBN)

CC NO.

UN/NA CODE2810 11320

رواق داده محمد معطیکی از در داد

DATE PREPARED:

6./ 3 / 88 2

UPDATED:

WHILE BASE CORPORATION BELIEVES THE DATA SET FORTH HEREIN ARE ACCURATE AS OF THE DATE HEREOF, BASE CORPORATION MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. SUCH DATA ARE OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION, AND VERIFICATION.

SECTION X - PRODUCT LABEL

PXO 68-12 Isocyanate

DANGER: POISON. HARMFUL IF INHALED.
CONTAINS TOLUENE DIISOCYANATE (CAS NOS.: 584-84-9; 91-08-7); DIPHENYLMETHANE
DIISOCYANATE (CAS NO.: 101-88-8).
CONTACT WITH EYES AND SKIN RESULTS IN SERIOUS BURNS. INHALATION OF VAPORS
CAUSES SEVERE IRRITATION TO LUNGS. PULMONARY EDEMA MAY OCCUR. PULMONARY SENSITIZATION CAN OCCUR IN SOME INDIVIDUALS, LEADING TO ASTHMA-TYPE SPASMS OF THE
BRONCHIAL TUBES AND DIFFICULTY IN BREATHING. INDIVIDUALS WITH A HISTORY OF
RESPIRATORY ILLNESS, ASTHMATIC CONDITIONS, EYE DAMAGE OR TDI SENSITIZATION
SHOULD NOT BE EXPOSED TO THIS PRODUCT.
IN AN NTP STUDY, TDI WAS CARCINOGENIC TO RODENTS GIVEN HIGH ORAL DOSES
AND IS INCLUDED IN THE NTP ANNUAL REPORT ON CARCINOGENS. TDI WAS NOT
CARCINOGENIC TO RATS IN A TWO-YEAR INHALATION STUDY.

Use with local exhaust. Wear an approved respirator or self-contained breathing apparatus, fitted goggles or face shield and safety glasses, gloves, coveralls, boots, apron and other protective clothing as necessary to prevent contact.

FIRST AID:

Eyes-Immediately wash eyes with running water for 15 minutes.

Get immediate medical attention.

Skin-Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder contaminated clothing before reuse.

contaminated clothing before reuse.

Ingestion-If swallowed, DO NOT INDUCE: VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Inhalation-Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

HANDLING AND STORAGE: Keep containers closed and store in a dry, well-ventilated place. Outage should be filled with dry inertigas at atmospheric pressure to avoid reaction with moisture: Contamination by moisture or basic compounds can cause dangerous pressure buildup in a closed container. Store above 60 F to prevent freezing and isomer separation. Do not exceed 95 F while thawing. Mix before using.

IN CASE OF SPILLS OR LEAKS: Material is a RCRA-regulated product. Spills should be contained, absorbed and placed in suitable containers for disposal in a RCRA-licensed facility.

IN CASE DF FIRE: Use water fog, foam or CO2 extinguishing media. Firefighters should be equipped with self-contained breathing apparatus and turnout gear for protection against TDI vapors and toxic decomposition products.

EMPTY CONTAINERS: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not rouse this container unless it is professionally cleaned and reconditioned.

DISPOSAL: Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations. Refer to our Material Safety Data Sheet for specific disposal instructions.

IN CASE OF CHEMICAL EMERGENCY: Call CHEMITREC day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents 800-424-9300.

ATTENTION: This product is sold solely for use by industrial institutions. Refer to our Technical Bulletin and Material Safety Data Sheet regarding safety, usage, applications, hazards, procedures and disposal of this product. Consult your supervisor for additional information.

HMIS: H4-F1 R1

FOR INDUSTRY USE ONLY.

Proper Shipping Name: Poison B, Liquid NOS - UN 2810 RQ.

Made in USA. Polymers

0389

90

MATERIAL SAFETY

BASF Corporation Chemicals Division
100 Cherry Hill Road, Persippany, New Jersey 07054, (201) 316-3000

BASE

DATA SHEET

PRODUCT NUMBER: 585363

PXI 4744-63 Isocyanate

PRODUCT NUMBER: 585363		S. Learnes Market			
	Ę	SECTI	s)// 1		*Registered Trademark
TRADE NAME: PXI 4744-6	3 Isocyanate				
CHEMICAL NAME: N/A					
SYNONYMS: TDI Prepolymer FORMULA: N/A					//A
CHEMICAL FAMILY: Aromat	ic Isocyanates		•		MOL. WGT.: N/A
	SECTION	11)1	NGR	ED) EN	TS
COMPONENT		CAS I	10.	%	PEL/TLV - SOURCE
PXI 4744-63 Isocyanate				100	Not established
Contains: Toluene Diisocyanate	TDI	5 84- 8 91-0		>50	0.005 ppm ACGIH, 1983 0.02 ppm Ceiling OSHA PEL
Isocyanate Prepolymen	•		Ì	>25	Not established
· Diphenylmethane Diis	ocyanateMDI	101-6	8-8	<25	0.005 ppm, ACGIH 0.02 ppm Cailing, OSHA
All components are in TS SARA Title III Sect. 313	: Listed.				
	SECTION II	JPJ	HYSI	CALLE	ATA.
BOILING/MELTING POINT @76	0 mm Hg: N/A			pH: N,	/A
VAPOR PRESSURE mm Hg @20	C: 0.01 (TDI)			Visco	sity♥ 77 F : 48 cps.
SPECIFIC GRAVITY OR BULK	DENSITY: 1.22				
	ter Reacts				
APPEARANCE: Dark Brown	•				
SECTION	V FIRE A	MPNE	(SHEE	iz (a), i	HAZARD DATA
FLASH POINT (TEST METHOD)	: >200 F PN	ACT			AUTOIGNITION TEMP: N/A
FLAMMABILITY LIMITS IN A	R (% BY VOL)	LOW	ER: N/	A	UPPER: N/A
MEDIUM.	water fog, foam				
FIREFIGHTING brea	ting isocvanate	s and tu e fires	rnout must b	gear. P e protec	ersonnel engaged in ted against
UNUSUAL FIRE Ave	ngen dioxide fi	umes as	well a in clo	s isocya sed cont	nate vapors. ainers or confined
	MERGENC)	7 NEU	PHC	NEIN	UMBER

169.

CHEMTREC 800-424-9300

201-316-3000

THIS NUMBER IS AVAILABLE DAYS, NIGHTS, WEEKENDS, AND HOLIDAYS

DP102 12/87/

PAGE 1 OF 4

SECTION V - HEALTH DATA

TOXICOLOGICAL TEST DATA:

PXI 4744-63 Isocyanate Toluene Diisocyanate--TDI

Rat, Oral LD50 Mouse, Inhalation LC50 Diphenylmethane Diisocyanate--MDI RESULT:

Severe eye and skin irritant, sensitizer 5.8 g/kg. 10 ppm/4 H Respiratory sensitization possible

EFFECTS OF OVEREXPOSURE:

Inhalation of the vapors causes severe irritation to lungs and pulmonary edema can occur after a serious vapor exposure. Liquid contact causes serious skin and eye burns. Pulmonary sensitization can occur in some individuals leading to asthma-type spasms of the bronchial tubes and difficulty in breathing. Preclude from exposure to those individuals having a history of respiratory illness, asthmatic conditions, eye damage or TDI sensitization. Recent studies indicate that overexposure may be associated with chronic In a National Toxicology Program (NTP) study, TDI was carcinogenic when given orally to rats and mice at maximum tolerated doses. TDI was not carcinogenic to rats in a two-year inhalation study. Based on the results of the oral study, TDI was included in the NTP Annual Report on Carcinogens.

FIRST AID PROCEDURES:

Eyes-Immediately wash eyes with running water for 15 minutes.

Get immediate medical attention.

Skin-Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder

contaminated clothing before reuse.
Ingestion-If swallowed, DO NOT INDUCE VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Inhalation-Move to fresh air. Aid in breathing, if necessary, and get

immediate medical attention.

SECTION VI -- REACTIVITY DATA

STABILITY:

Stable.

CONDITIONS TO AVOID:

Avoid temperatures >40 C for extended periods of time.

CHEMICAL INCOMPATIBILITY:

Basic compounds, caustic soda, tertiaryamines, water

HAZARDOUS DECOMPOSITION PRODUCTS:

TDI vapors, NOx, CO and HCN.

HAZARDOUS POLYMERIZATION:

May occur.

Avoid contamination with moisture

CONDITIONS TO AVOID:

and other products that react with isocyanates.

CORROSIVE TO METAL:

No

OXIDIZER: No

SECTION VII -- SPECIAL PROTECTION

RESPIRATORY PROTECTION:

Approved respirator for transferring operations or escape.
Self-contained breathing apparatus if the P.E.L. is exceeded, or in confined areas or if a leak occurs.

EYE PROTECTION:

Wear fitted goggles or face shield and safety glasses.

PROTECTIVE CLOTHING: Rubber gloves, coveralls, boots, and rubber apron which must be cleaned after each use.

VENTILATION:

Use local exhaust wherever vapors are generated.

OTHER:

Maintain work area below-P.E.L.



PRODUCT NUMBER: 585383 PXI 4744-63 Isocyanate		
SECTION VIII ENVIRONI	99 099 99009999000	L
ENVIRONMENTAL TOXICITY DATA: Aquatic toxicity rating: TLm 98: 10 ppm -	1 ppm.	
SPILL AND LEAK PROCEDURES: PXI 4744-63 Isocyanate is a RCRA-regulated clothing and evacuate all not involved in it absorb with absorbent and containerize into spill area with a mixture of 90% water, 8% HAZARDOUS SUBSTANCE SUPERFUND: Yes	the cleanup. For mi coen top drums. D	nor spills, econtaminate
WASTE DISPOSAL METHOD:		
2% detergent. Dispose of waste in a RCRA-p Incinerate or landfill in a RCRA-permitted	facility.	
HAZARDOUS WASTE 40CFR261: Yes	HAZARDOUS WAS	TE NUMBER: U 223
CONTAINER DISPOSAL:		·····
Containers should be neutralized with liquicontaining less than 1" of residue, may be empty, they must be disposed as a hazardous	landfilled. If con	itainers are not
SECTION IX - SHIPPIN	G.DATA.	
D.O.T. PROPER SHIPPING NAME (49CFR172.101-102)	HAZARDOUS SUBS	STANCE IST)
Poison B, Liquid NOS	YesTDI REPORTABLE QUA	NTITY (RQ) 1 1b.
D.O.T. HAZARD CLASSIFICATION (CFR172.101-102) PRIMARY Poison B	SECONDARY	
REO	T. PLACARDS UIRED (CFR172.504) ison	POISON CONSTITUENT (49CFR 172.203(K)) TDI
BILL OF LADING DESCRIPTION Poison B Liquid, NOS (Contains Toluene Dii ***Placarded Poison*** (Plastic Synthetic Liquid, NOIBN)	socyanate) - UN 2810	D RQ

WHILE BASE CORPORATION BELIEVES THE DATA SET FORTH HEREIN ARE ACCURATE AS OF THE DATE HEREOF, BASE CORPORATION MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. SUCH DATA ARE OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION, AND VERIFICATION.

CC NO.

217

DATE PREPARED: 12 / 4 / 86

UN/NA CODE2810

UPDATED:

1 / 24 / 89

DACETO OF A

SECTION X - PRODUCT LABEL

PXI 4744-63 Isocyanate

DANGER: POISON. HARMFUL IF INHALED.
CONTAINS TOLUENE DIISOCYANATE (CAS NOS.: 584-84-9; 91-08-7); DIPHENYLMETHANE
DIISOCYANATE (CAS NO.: 101-68-8).
CONTACT WITH EYES AND SKIN RESULTS IN SERIOUS BURNS. INHALATION OF VAPORS
CAUSES SEVERE IRRITATION TO LUNGS. PULMONARY EDEMA MAY OCCUR. PULMONARY SENSITIZATION CAN OCCUR IN SOME INDIVIDUALS, LEADING TO ASTHMA-TYPE SPASMS OF THE
BRONCHIAL TUBES AND DIFFICULTY IN BREATHING. INDIVIDUALS WITH A HISTORY OF
RESPIRATORY ILLNESS, ASTHMATIC CONDITIONS, EYE DAMAGE OR TDI SENSITIZATION
SHOULD NOT BE EXPOSED TO THIS PRODUCT.
IN AN NTP STUDY, TDI WAS CARCINOGENIC TO RODENTS GIVEN HIGH ORAL DOSES
AND IS INCLUDED IN THE NTP ANNUAL REPORT ON CARCINOGENS. TDI WAS NOT
CARCINOGENIC TO RATS IN A TWO-YEAR INHALATION STUDY.

Use with local exhaust. Wear an approved respirator or self-contained breathing apparatus, fitted goggles or face shield and safety glasses, gloves, coveralls, boots, apron and other protective clothing as necessary to prevent contact.

FIRST AID:

Eyes-Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.

Skin-Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder contaminated clothing before reuse

contaminated clothing before reuse.

Ingestion-If swallowed, DD NOT INDUCE VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Inhalation-Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

HANDLING AND STORAGE: Keep containers closed and store in a dry, well-ventilated place. Outage should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture. Contamination by moisture or basic compounds can cause dangerous pressure buildup in a closed container. Store above 60 F to prevent freezing and isomer separation. Do not exceed 95 F while thawing. Mix before using.

IN CASE OF SPILLS OR LEAKS: Material is a RCRA-regulated product. Spills should be contained, absorbed and placed in suitable containers for disposal in a RCRA-licensed facility.

IN CASE OF FIRE: Use water fog, foam or CO2 extinguishing media. Firefighters should be equipped with self-contained breathing apparatus and turnout gear for protection against TDI vapors and toxic decomposition products.

EMPTY CONTAINERS: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse this container unless it is professionally cleaned and reconditioned.

DISPOSAL: Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations. Reference our Material Safety Data Sheet for specific disposal instructions.

IN CASE OF CHEMICAL EMERGENCY: Call CHEMTREC day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents 800-424-9300.

ATTENTION: This product is sold solely for use by industrial institutions: Refer to our Technical Bulletin and Material Safety Data Sheet regarding safety, usage, applications, hazards, procedures and disposal of this product. Consult your supervisor for additional information.

FOR INDUSTRY USE ONLY.

Proper Shipping Name: Poison B, Liquid NOS - UN 2810 RQ

Made in USA.

Polymers

0987

9.60µ

4.03	Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response.
	Yes
4.04 CBI	For each activity that uses the listed substance, circle all the applicable number(s corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for manufacturing, storage, disposal and transport activities are determined using the final state of the product.

		Phy:	sical State			
Activity	Solid	Slurry	Liquid	Liquified Gas	Gas	
Manufacture	1	2	3	4	5	
Import	1	2	3	4	5	
Process	1	2	3	4	5	
Store	1	2	3	4	5	
Dispose	1	2	3	4	5	
Transport	1	2	3	.4	5	

[] Mark (X) this box if you attach a continuation sheet.

		•	N/A					
	Physical State		Manufacture	Import	Process	Store	Dispose	Transport
D)us t	<1 micron					-	
		1 to <5 microns	-					- 115
		5 to <10 microns						
P	owder	<1 micron						
		1 to <5 microns						
		5 to <10 microns		-				
F	iber	<1 micron		***************************************	-			
		1 to <5 microns						
		5 to <10 microns						
A	erosol	<1 micron						
		1 to <5 microns						
		5 to <10 microns						

		SECTION 5 ENVIRONMENTAL					
PART	A 1	RATE CONSTANTS AND TRANSFORMATION PRODUCTS					
5.01	Inc	dicate the rate constants for the following tra	nsforma	tion proce	sses.		
	a.	Photolysis:					
		Absorption spectrum coefficient (peak)	UK	_ (1/M cm)	at _	UK	nm
		Reaction quantum yield, 6	UK		at _	UK	nm
		Direct photolysis rate constant, k _p , at	UK	1/hr	UK		latitude
	b.	Oxidation constants at 25°C:					
		For ¹ 0 ₂ (singlet oxygen), k _{ox}		UK			1/M hi
		For RO ₂ (peroxy radical), k _{ox}		UK			1/M hi
	c.	Five-day biochemical oxygen demand, BOD ₅		UK			mg/l
	d.	Biotransformation rate constant:					
		For bacterial transformation in water, $k_b \dots$		UK			1/hr
		Specify culture		UK			
	e.	Hydrolysis rate constants:					
		For base-promoted process, k _B		UK			1/M hr
		For acid-promoted process, k _A		UK			1/M hr
		For neutral process, k _N		UK			1/hr
	f.	Chemical reduction rate (specify conditions)_		UK			
	g.	Other (such as spontaneous degradation)		UK			Pull-valle-

[_]	Mark (X) this	s box if you attach a	a continuation	sheet.	

PART	В	PARTITION COEFFICIENTS	5			
5.02	a.	Specify the half-lif	e of the listed substan	nce in the foll	owing medi	a.
		<u>Media</u>		Half-life (sp	ecify unit	<u>s)</u>
		Groundwater	·	UK		
		Atmosphere		UK		
		Surface water		UK		
		Soil		UK		
	b.	Identify the listed life greater than 24	substance's known trans hours.	sformation prod	ucts that	have a half-
		GAG N-	N	Half-life	->	W-44-
		<u>CAS No.</u> UK	<u>Name</u> UK	(specify unit:		<u>Media</u> UK
					in	
		1				
					'''	
5.03	Spe	cify the octanol-wate	r partition coefficient	, K _{ow}	UK	at 25°0
	Met	hod of calculation or	determination		UK	<u>_</u>
5.04	Spe	cify the soil-water p	artition coefficient, K	· ·	UK	at 25°0
	Soi	l type	•••••		UK	
5.05	Spe coe	cify the organic carbo	on-water partition		UK	at 25°C
5.06	Spe	cify the Henry's Law	Constant, H	•••••	UK	atm-m³/mole
<u></u>	Mar	k (X) this box if you	attach a continuation	sheet.		
[_]	Mar	k (X) this box if you	attach a continuation	sheet.		

Bioconcentration Factor	<u>Species</u>	<u>Test¹</u>
UK	UK	UK
¹ Use the following codes to des	ignate the type of test:	
<pre>F = Flowthrough S = Static</pre>		
		·

6.04 <u>CBI</u>	For each market listed below, state the the listed substance sold or transfer	he quantity sold and the red in bulk during the r	e total sales value of eporting year.
[_1		Quantity Sold or	Total Sales
	Market	Transferred (kg/yr)	Value (\$/yr)
	Retail sales		
	Distribution Wholesalers		
	Distribution Retailers		
	Intra-company transfer		
	Repackagers		
	Mixture producers		
	Article producers		
	Other chemical manufacturers or processors		
	Exporters		W-194-1
	Other (specify)		
6.05 <u>CBI</u>	Substitutes List all known commerci for the listed substance and state the feasible substitute is one which is ed in your current operation, and which reperformance in its end uses.	cost of each substitute commically and technology	e. A commercially rically feasible to use
ſ_]	Substitute		Cost (\$/kg)
	By the beginning of 1990 we will no	longer be using	\$ 3.15 (appr.)
	TDI at this facility. We will be u	sing an MDI system.	
		÷	
[_]	Mark (X) this box if you attach a cont	inuation sheet.	

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

General Instructions:

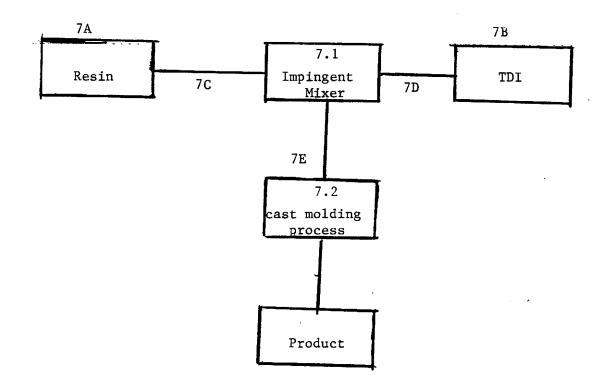
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

CBI

Process type Urethane Foaman Operation (High Pressure)





Mark (X) this box if you attach a continuation sheet.

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

General Instructions:

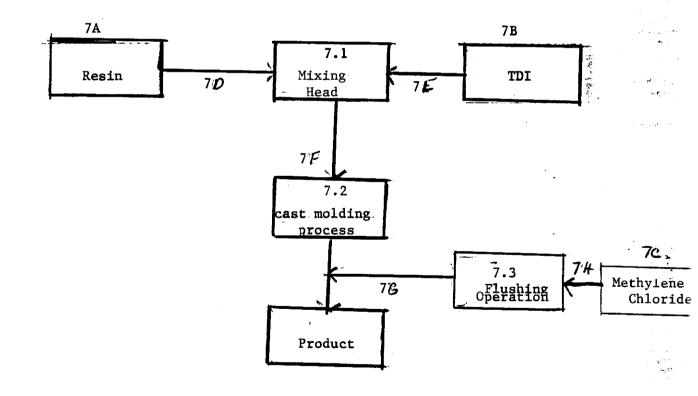
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

CBI

Process type Urethane Foam Operation (Low Pressure)



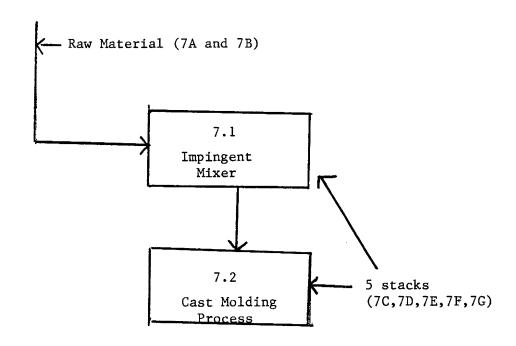
[] Mark (X) this box if you attach a continuation sheet.

7.03 In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

CBI

Process type Urethane Foam Operation (High-Pressure)

See Attached



[] Mark (X) this box if you attach a continuation sheet.

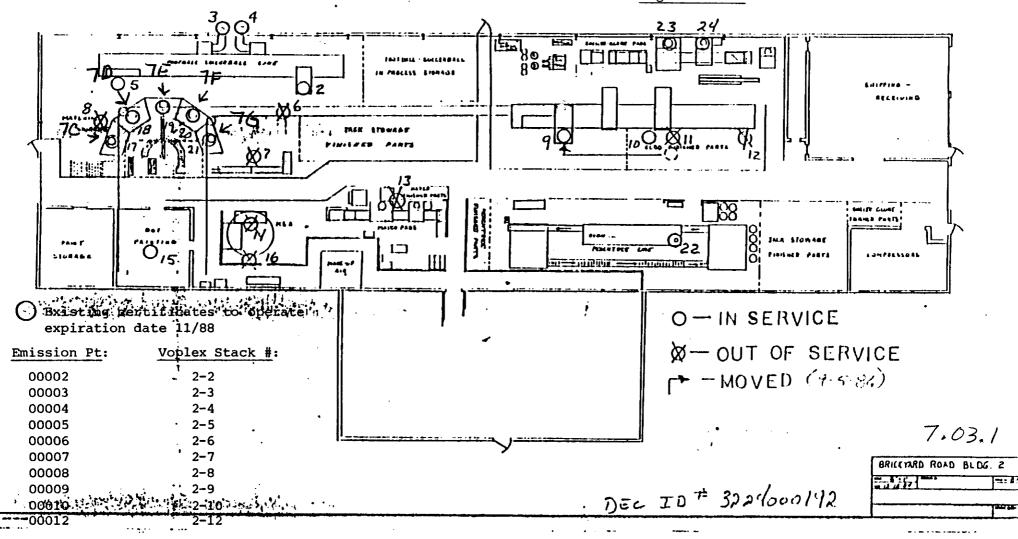
6/

NOTE: All Voplex stack numbers are proceeded with 2- for this building. Example:

3 = 2-3

Urethane Foam Operations

High Pressure

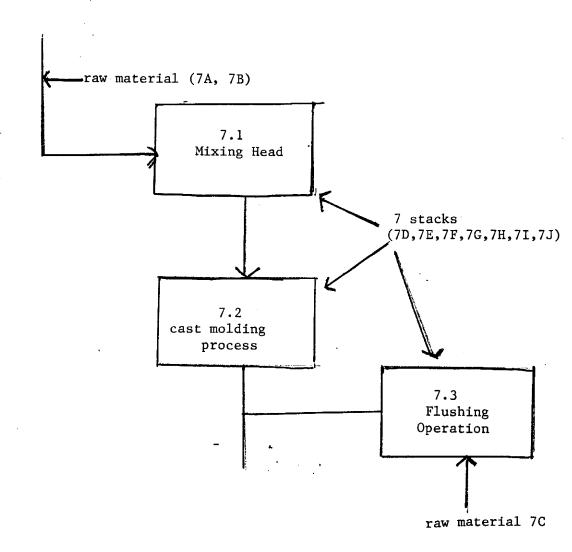


7.03 In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

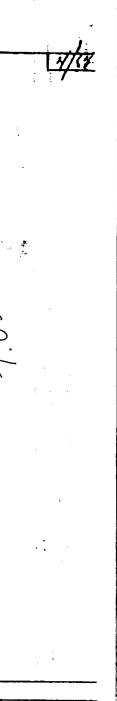
CBI

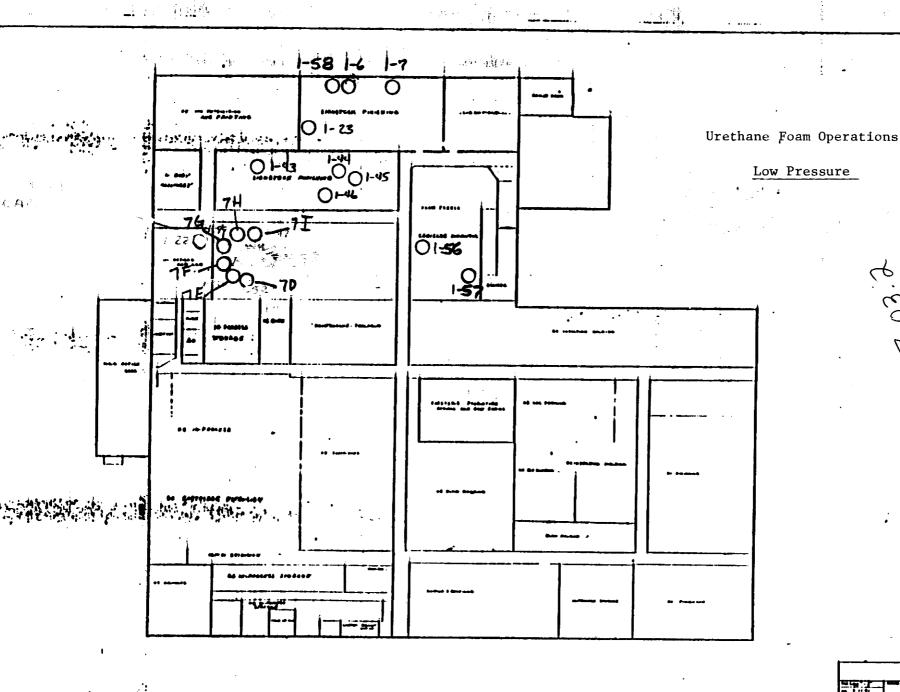
Process type Urethane Foam Operation (Low Pressure)

See Attached Pages



^[] Mark (X) this box if you attach a continuation sheet.

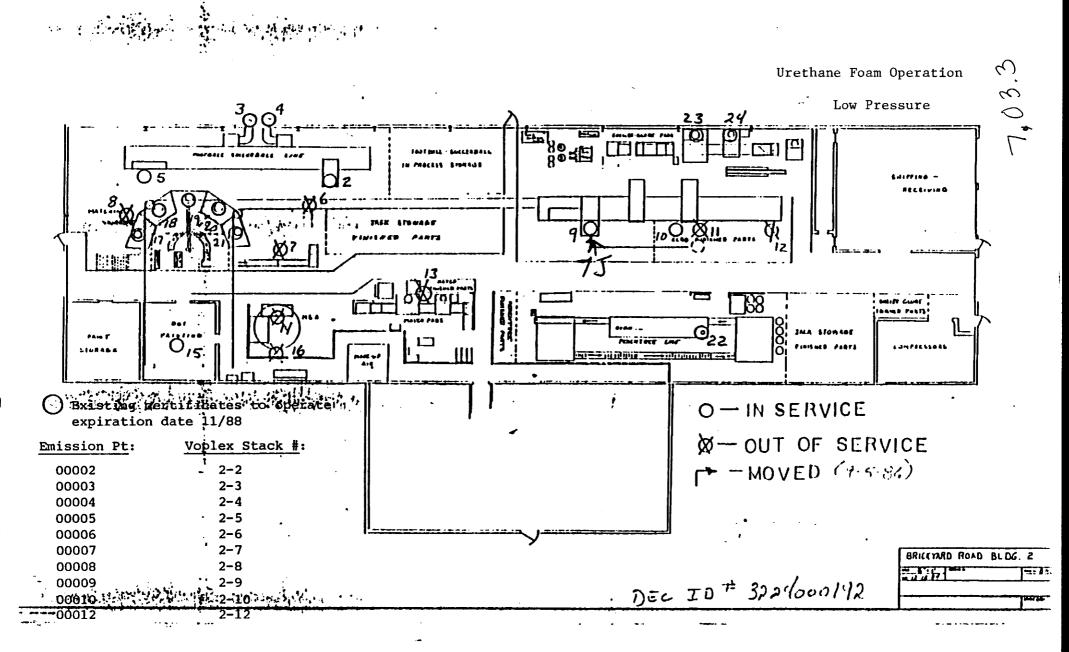




Bentu Stater HAIN BUILDING PLANTING

NOTE: All Voplex stack numbers are proceeded with 2- for this building. Example:

3 = 2-3



_] _]	Process type	Urethane Fo	oam Operation (High	Pressure)	
	Unit Operation ID Number	Typical Equipment Type high pressure	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vessel Composition
	7.1	impengent mixing	21.1-26.2	1800-2000psi	Stainless st
	7.2	cast mold	UK	UK	Stainless st
		4-7-1			
					

<u>CBI</u>	than one proprocess type	k flow diagram(s). If a cess type, photocopy the	is question and com	w diagiam is pro plete it separat	ely for each
[_]	Process type	Urethane F	oam Operation (Lov	w Pressure)	-
	Unit Operation ID Number	Typical Equipment Type	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vessel Composition
	7.1	Mixing Head	<u>uk</u>	60#	stainless ste
	7.2	cast mold	UK	UK	stainless ste
		flushing oper.	room temp.	UK	stainless stee
					
					1.091.446.1

[[]_] Mark (X) this box if you attach a continuation sheet.

CBI								
[_]	Process type Urethane Foam Operation (High Pressure)							
	Process Stream ID Code	Process Stream Description	Physical State ¹	Stream Flow (kg/yr				
	7C	Resin	OL	85,809.7				
	7D	TDI	OL	36,514.8				
	7E	Resin/TDI	SY	122,324.5				
	GC = Gas (conder GU = Gas (uncond SO = Solid SY = Sludge or s AL = Aqueous liq OL = Organic liq	uid uid	and programs)					

[_] Mark (X) this box if you attach a continuation sheet.

Process Stream ID Process Stream Code Description Physical State 7 0 Resin OL 7 TDI OL 7 Resin/TDI SY 7 TO Resin/TDI/Methylene Chloride OL 7 Methylene Chloride OL	Stream Flow (kg/y 12,192.8		•	
Stream ID Process Stream Physical State Code Description Physical State 7 0 Resin OL 7 E TDI OL 2 F Resin/TDI SY 7 G resin/TDI/Methylene Chloride OL	Flow (kg/y			Process
7	12,192.8	Physical State		Stream ID
7 F Resin/TDI SY 7 G resin/TDI/Methylene Chloride OL		OL	Resin	7 <i>0</i>
7 G resin/TDI/Methylene Chloride OL	4,762.	OL	TDI	7_E
	16,955	SY	Resin/TDI	7 F
7 # Methylene Chloride OL	UK	OL	resin/TDI/Methylene Chloride	7 G
	UK	OL	Methylene Chloride	7 #
				···
Use the following codes to designate the physical state for each proces GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = Solid SY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene)		pressure) nd pressure)	lensible at ambient temperature an ondensible at ambient temperature slurry iquid	GC = Gas (cone GU = Gas (unc SO = Solid SY = Sludge of AL = Aqueous OL = Organic

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

CBI	this questi	e each process stream is s block flow diagram is on and complete it sepa s for further explanati	s provided for mo aratelv for each	re than one pro process type.	case tuna nhatasan
[_]	Process typ	e <u>Ilrethane Fo</u>	am Operation (Hi	gh Pressure)	
	а.	b	c.	d.	e.
	Process Stream ID Code	Known Compounds	Concentrations ^{2,3} (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
		SEE MAT	ERIAL SAFETY DAT	'A SHEET	
7.06	continued be	lov			·

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	Concentration (% or ppm)
1	· · · · · · · · · · · · · · · · · · ·	-
2		
		-
3		
	- The state of the	
,		
4		
5		
7		
	to designate how the concentrat	ion was determined:
A = Analytical result E = Engineering judgeme	ent/calculation	
³ Use the following codes	to designate how the concentrat:	ion was measured:
V = Volume W = Weight		
ark (Y) this how if you	attach a continuation sheet.	

7.06 CBI	If a procest this question	e each process stream s block flow diagram i on and complete it sep s for further explanat	s provided for marately for each	ore than one pro	cess type, photoco
[_]	Process type	e <u>Urethane F</u> o	oam Operation (L	ow Pressure)	
	a.	b.	c.	d.	е.
	Process Stream ID Code	Known Compounds ¹	Concentrations ^{2,3} (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)
		SEE	MATERIAL SAFETY	DATA SHEET	
.06	continued be	low			

7	.0	6	(cont	ti	nued)
---	----	---	---	------	----	------	---

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	Concentration (% or ppm)
1	N/A	
•		
2		
3		
4		
5		
		-
² Use the following codes to	designate how the concentration	on was determined:
A = Analytical result E = Engineering judgement/c	alculation	
³ Use the following codes to	designate how the concentration	n was measured:
V = Volume W = Weight		

SECTION 8 RESIDUAL TREATMENT GENERATION, CHARACTERIZATION, TRANSPORTATION, AND MANAGEMENT

General Instructions:

For questions 8.04-8.06, provide a separate response for each residual treatment block flow diagram provided in question 8.01, 8.02 or 8.03. Identify the process type from which the information is extracted.

For questions 8.05-8.33, the Stream Identification Codes are those process streams listed in either the Section 7 or Section 8 block flow diagrams which contain residuals for each applicable waste management method.

For questions 8.07-8.33, if residuals are combined before they are handled, list those Stream Identification Codes on the same line.

Questions 8.09-8.33 refer to the waste management activities involving the residuals identified in either the Section 7 or Section 8 block flow diagrams. Not all Stream Identification Codes used in the sample answers (e.g., for the incinerator questions) have corresponding process streams identified in the block flow diagram(s). These Stream Identification codes are for illustrative purposes only.

For questions 8.11-8.33, if you have provided the information requested on one of the EPA Office of Solid Waste surveys listed below within the three years prior to your reporting year, you may submit a copy or reasonable facsimile in lieu of answering those questions which the survey addresses. The applicable surveys are: (1) Hazardous Waste Treatment, Storage, Disposal, and Recycling Survey; (2) Hazardous Waste Generator Survey; or (3) Subtitle D Industrial Facility Mail Survey.

<u> </u>	Mark	(X)	this	box	if	you	attach	а	continuation	sheet.
----------	------	-----	------	-----	----	-----	--------	---	--------------	--------

8.01 CBI	In acc which	orda desc	nce ribe	wites 1	th t	he tre	ins atme	truc ent	tio pro	ns, cess	pro use	vide ed f	or	resi resi	dua dua	al to	reati iden	ment tifie	block d in d	flow o	diagram on 7.01
[_]	Proces	s ty	pe .	•••	•••	••	U	reth	iane	≥ Fo	am C)per	ati	on (Hi	gh P	ress	ure)			
]	Pist	on	rem	oves	s Wa	aste	whi	ich	is	cure	ed.	foam	. No	trea	ıtable	: waste	·

8.01 CBI	In accordance with the which describes the t	e instructions, pro reatment process us	vide a residual treatmened for residuals identi	nt block flow diagram fied in question 7.03
[_]	Process type	• <u> </u>	peration (Low Pressure)	<u> </u>
		·		
		7.3 Flushing Operation		
		76		
		methylene chlo resin TDI	ride	
				•
			-	

[]	Process	type	··· <u>Urethane</u>	e Foam Operati	ion (High Pres		
	a.	b.	c.	d.	e.	f.	g.
	Stream ID Code	Type of Hazardous <u>Waste</u>	Physical State of Residual ²	Known Compounds ³	Concentra- tions (% or ppm) ^{4,5,6}	Other Expected Compounds	Estimated Concen- trations (% or ppm)
				N/A			
							-

8.05 CBI	Characterize each process stream identified in your residual treatment block flow diagram(s). If a residual treatment block flow diagram is provided for more than on process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.)										
[_]	Process	type	Uretha	ne Foam Opera	ation (Low Pr	essure)					
	a.	b.	c.	d.	е.	f.	g.				
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual ²	Known Compounds ³	Concentra- tions (% or ppm) ^{4,5,6}	Other Expected Compounds	Estimated Concentrations (% or ppm)				
	<u>7G</u>	<u>T</u>	OL	UK	UK	UK	UK				
			-								
							-				
				· · · · · · · · · · · · · · · · · · ·							
8.05	continue	d below									

8.05 (continued) ¹Use the following codes to designate the type of hazardous waste: I = Ignitable C = Corrosive R = Reactive E = EP toxicT = ToxicH = Acutely hazardous ²Use the following codes to designate the physical state of the residual: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = SolidSY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene)

8.05 continued below

[] Mark (X) this box if you attach a continuation sheet.

8.05 (continued)

high Pressure

³For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

	Additive <u>Package Number</u>	Components of Additive Package	Concentrations (% or ppm)
	1	UK	
	2		
	3		
	4		
	5		
	⁴ Use the following codes	to designate how the concentration	was determined:
	A = Analytical result E = Engineering judgemen	t/calculation	
8.05	continued below		
[_]	Mark (X) this box if you	attach a continuation sheet.	
		56	

8.05	(continued)		high pressur						
	⁵ Use the followin	ng codes to designate how the cond	centration was measured:						
	<pre>V = Volume W = Weight</pre>								
	⁶ Specify the anal below. Assign a	ytical test methods used and thei code to each test method used ar	ir detection limits in the table and list those codes in column e.						
	Code	Method	Detection Lim $_{-}$ ($_{\pm}$ ug/l)						
	1	N/A							
	2								
	3								
	4								
	5								
	6								

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

1000	· A ==
LOW	Pressure

8.05 (continued)

³For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

	Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
	1	UK	
	2		
	3		
	4		
			٠.
	5		
	⁴ Use the following codes to	o designate how the concentration	n was determined:
	A = Analytical result E = Engineering judgement		
8.05	continued below		
[_]	Mark (X) this box if you a	ttach a continuation sheet.	
		56~	

3.05	(continued)	Low Pressur
	⁵ Use the f	ollowing codes to designate how the concent	ration was measured:
	V = Volum W = Weigh	e	
	⁶ Specify t below. A	he analytical test methods used and their d ssign a code to each test method used and l	letection limits in the table ist those codes in column e.
	<u>Code</u>	<u>Method</u>	Detection Limit(± ug/l)
	1	N/A	
	2		
	3		
	4		
	_5		
	6		
			· .
		•	

8.06	6 Characterize each process stream identified in your residual treatment block flow diagram(s). If a residual treatment block flow diagram is provided for more than o process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.)											
<u>CBI</u>	N/A											
[_]	Process type Urethane Foam Operation (High Pressure)											
	a.	b.	c.	d.	e.		f. Costs for	g.				
	Stream ID Code	Waste Description Code ¹	Management Method Code ²	Residual Quantities (kg/yr)	Manage of Residu On-Site O	ıal (%)	Off-Site Management (per kg)	Changes in Management Methods				
	¹ Use the ² Use the	codes provi	ded in Exhi	bit 8-1 to de	esignate the	e waste (e manager	descriptions					

Management Method Code?	d. Residual Quantities	e. Management of Residual (%) On-Site Off-Site	f. Costs for Off-Site Management (per kg)	Changes in Management
c. e Management tion Method	d. Residual Quantities	Management of Residual (%) On-Site Off-Site	f. Costs for Off-Site Management (per kg)	Changes in Management Methods
e Management tion Method	Residual Quantities	Management of Residual (%) On-Site Off-Site	Costs for Off-Site Management (per kg)	Changes in Management Methods
tion Method	Quantities	of Residual (%) On-Site Off-Site	Off-Site Management (per kg)	Changes in Management Methods
Incinerate	3,629	0.0 10090	2.13	NA -
rovided in Exhi	bit 8-1 to de	esignate the waste designate the management	descriptions	
	rovided in Exhi	rovided in Exhibit 8-2 to de	rovided in Exhibit 8-1 to designate the waste of rovided in Exhibit 8-2 to designate the management of the state of the continuation sheet.	rovided in Exhibit 8-1 to designate the waste descriptions rovided in Exhibit 8-2 to designate the management methods

EXHIBIT 8-1. (Refers to question 8.06(b))

WASTE DESCRIPTION CODES

These waste description codes were developed specifically for this survey to supplement the descriptions listed with the RCRA and other waste codes. (These waste description codes are not regulatory definitions.)

WASTE DESCRIPTION CODES FOR HAZARDOUS WASTE DESCRIBED BY A SINGLE RCRA F, K, P, OR U WASTE CODE

A01	Spent	solvent	(F00	1-F005.	K086)	

A02 Other organic liquid (F001-F005, K086) A03 Still bottom (F001-F005, K086)

A04 Other organic sludge (F001-F005, K086)

A05 Wastewater or aqueous musture

A06 Contaminated soil or cleanup residue

ACT Other F or K waste, exactly as described A08 Concentrated off-spec or discarded product

A09 Empty containers

A10 Incinerator ash

A11 Solidified treatment residue

Other treatment residue (specify in A12 'Facility Notes")

A13 Other untreated waste (specify in "Facility Notes")

""Exactly as described" means that the waste matches the description of the RCRA waste-code

INORGANIC LIQUIDS-Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content.

801 Aqueous waste with low solvents

802 Aqueous waste with low other toxic organics

803 Spent acid with metals

B04 Spent acid without metals

B05 Acidic aqueous waste

B06 Caustic solution with metals but no

807 Caustic solution with metals and cyanides

B08 Caustic solution with cyanides but no metais

B09 Spent caustic

810 Caustic aqueous waste

B11 Aqueous waste with reactive suifides

812 Aqueous waste with other reactives (e.g., explosives)

B13 Other aqueous waste with high dissolved solids

B14 Other aqueous waste with low dissolved solids

B15 Scrubber water

B16 Leachate

B17 Waste liquid mercury

B18 Other inorganic liquid (specify in "Facility Notes)

INORGANIC SLUDGES—Waste that is primarily inorganic, with moderate-to-high water content and low organic content; pumpable.

819 Lime sludge without metals

820 Lime sludge with metals/metal hydroxide sludge

821 Wastewater treatment sludge with toxic organics

B22 Other wastewater treatment sludge

B23 Untreated plating sludge without cyanides

B24 Untreated plating sludge with cyanides **B25** Other sludge with cyanides

B26 Sludge with reactive suifides

B27 Sludge with other reactives

B28 Degreasing sludge with metal scale or filings

B29 Air pollution control device sludge (e.g., fly ash, wet scrubber sludge)

B30 Sediment or lagoon dragout contaminated with organics

B31 Sediment or lagoon dragout contaminated with inorganics only

B32 Drilling mud

B33 Asbestos slurry or sludge

Chloride or other brine sludge 834

835 Other inorganic sludge (specify in 'Facility Notes'')

INORGANIC SOLIDS-Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable.

836 Soil contaminated with organics **B37** Soil contaminated with inorganics only **B38** Ash, slag, or other residue from inciner-

ation of wastes **B39** Other "dry" ash, siag, or thermal

residue RAD "Dry" lime or metal hydroxide solids chemically "fixed"

"Dry" lime or metal hydroxide solids not 841 'fixed'

842 Metal scale, filings, or scrap **B43** Empty or crushed metal drums or con-

tainers **B44** Battenes or battery parts, casings, cores **B45** Spent solid filters or adsorbents

B46 Asbestos solids and debris **B47** Metal-cyanide saits/chemicals

848 Reactive cyanide salts/chemicals **B49** Reactive sulfide salts/chemicals B50 Other reactive saits/chemicals

Other metal saits/chemicals **B51 B52** Other waste inorganic chemicals

B53 Lab packs of old chemicals only **B54** Lab packs of debris only

Mixed lab packs 856

Other inorganic solids (specify in 'Facility Notes")

INORGANIC GASES-Waste that is primarily inorganic with a low organic content and is a gas at atmospheric pressure.

857 Inorganic gases

ORGANIC LIQUIDS-Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content.

858 Concentrated solvent-water solution 859 Halogenated (e.g., chlorinated) solvent

Nonhalogenated solvent 860

B61 Halogenated/nonhalogenated solvent mixture

R62 Oil-water emulsion or mixture

R63 Waste oil

B64 Concentrated aqueous solution of other organics

B65 Concentrated phenolics

B66 Organic paint, ink. lacquer, or varnish

B67 Adhesives or expoxies

868 Paint thinner or petroleum distillates

B69 Reactive or polymerizable organic liquid 870 Other organic liquid (specify in "Facility

Notes")

ORGANIC SLUDGES-Waste that is primarily organic, with low-to-moderate inorganic solids content and water content: pumpable.

Still bottoms of halogenated (e.g., chlorinated) solvents or other organic liquids

B72 Still bottoms of nonhalogenated solvents or other organic tiquids

B73 Oily sludge

874 Organic paint or ink sludge

875 Reactive or polymerizable organics

876 Resins, tars, or tarry sludge

877 Biological treatment studge

B78 Sewage or other untreated biological

B79 Other organic studge (specify in "Facility Notes")

ORGANIC SOLIDS-Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable.

BAO Halogenated pesticide solid

BAT Nonhalogenated pesticide solid

RA2 Solid resins or polymerized organics

B83 Spent carbon

B84 Reactive organic solid **B85**

Empty fiber or plastic containers B86 Lab packs of old chemicals only

B.87 Lab packs of debris only

888 Mixed lab packs

889 Other halogenated organic solid

Other nonhalogenated organic solid

ORGANIC GASES—Waste that is primarily organic with low-to-moderate inorganic content and is a gas at atmospheric pressure.

B91 Organic gases

EXHIBIT 8-2. (Refers to question 8.06(c))

MANAGEMENT METHODS

	MANAGEMENT	MEIN	003
M1 =	Discharge to publicly owned	Reco	very of solvents and liquid organics
	wastewater treatment works		reuse
M2 =	Discharge to surface water under	1SR	Fractionation
	NPDES	2SR	Batch still distillation
M3 =	Discharge to off-site, privately	3SR	Solvent extraction
	owned wastewater treatment works	4SR	Thin-film evaporation
.M4 =	Scrubber: a) caustic; b) water;		Filtration
	c) other	6SR	Phase separation
M5 =	Vent to: a) atmosphere; b) flare;	7SR	Dessication
	c) other (specify)	8SR	Other solvent recovery
M6 =	Other (specify)		
			very of metals
TREA	THENT AND RECYCLING	1MR	Activated carbon (for metals
			recovery)
Inci	neration/thermal treatment	2MR	Electrodialysis (for metals
11	Liquid injection		recovery)
21	Rotary or rocking kiln		Electrolytic metal recovery
31	Rotary kiln with a liquid injection		Ion exchange (for metals recovery)
	unit	5MR	Reverse osmosis (for metals
4I	Two stage		recovery)
51	Fixed hearth	6MR	Solvent extraction (for metals
	Multiple hearth	7.45	recovery)
7I	Fluidized bed	7MR	•
8I	Infrared	OVD	recovery) Other metals recovery
	Fume/vapor	onk	Other metals recovery
	Pyrolytic destructor Other incineration/thermal	Unat	evater Treatment
111			r each wastewater treatment type
	treatment	ALCE	listed below (1WT - 66WT) specify
Dane	e as fuel		a) tank; or b) surface impoundment
	Cement kiln		(i.e., 63WTa)
	Aggregate kiln		(1.e., OSWIA)
	Asphalt kiln	Equa	lization
	Other kiln		Equalization
	Blast furnace		24462264626
	Sulfur recovery furnace	Cvan	ide oxidation
	Smelting, melting, or refining		Alkaline chlorination
, 212	furnace		Ozone
8RF	Coke oven	4WT	Electrochemical
	Other industrial furnace		Other cyanide oxidation
	Industrial boiler		•
	Utility boiler	Gene	ral oxidation (including
	Process heater		nfection)
	Other reuse as fuel unit		Chlorination
		7WT	Ozonation
Fuel	. Blending	8WT	
1FB	Fuel blending	9WT	Other general oxidation
			,
Soli	dification		nical precipitation ¹
1S	Cement or cement/silicate processes		Lime
2S	Pozzolanic processes		Sodium hydroxide
3S	Asphaltic processes		Soda ash
4S	Thermoplastic techniques		Sulfide
5S	Organic polymer techniques	14W1	Other chemical precipitation
65	Jacketing (macro-encapsulation)		
7 S	Other solidification		mium reduction
			Sodium bisulfite
		16W1	'Sulfur dioxide

EXHIBIT 8-2. (continued)

MANAGEMENT METHODS

17WT Ferrous sulfate 18WT Other chromium reduction

Complexed metals treatment (other than chemical precipitation by pH adjustment)
19WT Complexed metals treatment

Emulsion breaking 20WT Thermal 21WT Chemical 22WT Other emulsion breaking

Adsorption 23WT Carbon adsorption 24WT Ion exchange 25WT Resin adsorption 26WT Other adsorption

Stripping 27WT Air stripping 28WT Steam stripping 29WT Other stripping

Evaporation
30WT Thermal
31WT Solar
32WT Vapor recompression
33WT Other evaporation

Filtration
34WT Diatomaceous earth
35WT Sand
36WT Multimedia
37WT Other filtration

Sludge dewatering
38WT Gravity thickening
39WT Vacuum filtration
40WT Pressure filtration (belt, plate
and frame, or leaf)
41WT Centrifuge
42WT Other sludge dewatering

Air flotation 43WT Dissolved air flotation 44WT Partial aeration 45WT Air dispersion 46WT Other air flotation

Oil skimming 47WT Gravity separation 48WT Coalescing plate separation 49WT Other oil skimming

Other liquid phase separation 50WT Decanting 51WT Other liquid phase separation

Biological treatment
52WT Activated sludge
53WT Fixed film-trickling filter
54WT Fixed film-rotating contactor
55WT Lagoon or basin, aerated
56WT Lagoon, facultative
57WT Anaerobic
58WT Other biological treatment

Other wastewater treatment
59WT Wet air oxidation
60WT Neutralization
61WT Nitrification
62WT Denitrification
63WT Flocculation and/or coagulation
64WT Settling (clarification)
65WT Reverse osmosis
66WT Other wastewater treatment

OTHER VASTE TREATMENT

1TR Other treatment 2TR Other recovery for reuse

ACCUMULATION

1A Containers 2A Tanks

STORAGE

1ST Container (i.e., barrel, drum)
2ST Tank
3ST Waste pile
4ST Surface impoundment
5ST Other storage

DISPOSAL

1D Landfill

2D Land treatment

3D Surface impoundment (to be closed as a landfill)

4D Underground injection well

¹Chemical precipitation is a treatment operation whereby the pH of a waste is adjusted to the range necessary for removal (precipitation) of contaminants. However, if the pH is adjusted solely to achieve a neutral pH, THE OPERATION SHOULD BE CONSIDERED NEUTRALIZATION (60WT).

[_]		our process block or residual treatmen Combustion Chamber Temperature (°C)		Temp	Location of Temperature Monitor		Residence Time In Combustion Chamber (seconds)	
	Incinerator	Primary	Secondary	Primary	Secondary	Primary	Secondar	
	1		33333		<u>sccondary</u>	rrinary	Secondar	
	2							
		<u></u>						
	3						-	
	Indicate by circl	e if Office of the appropriate the second contract of the appropriate the appropriate the second contract of the s	of Solid Wast ropriate resp	e survey ha onse.	s been submit	ted in lieu	of respons	
	Yes	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • •	
	No	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	•••••	• • • • • • • • • •	
8.23 CBI	Complete the fare used on-si	te to burn t	the residuals	identified	t (by capacit in your proc	y) incinera ess block o	tors that r residual	
	Complete the fare used on-sitreatment block Incinerator 1 2	te to burn t	the residuals ram(s). Air Po	hree larges identified N/A llution Device	t (by capacit in your proc	ess block of Types Emission	r residual	
CBI	Incinerator	te to burn t	the residuals ram(s). Air Po	identified N/A llution	t (by capacit in your proc	ess block of Types Emission	r residual s of ns Data	
CBI	Incinerator 2 Indicate	te to burn on the flow diagrams of Office of	the residuals ram(s). Air Po Control	identified N/A llution Device survey has	t (by capacit in your proc	ess block of Types Emission Avail	r residual s of ns Data lable	
CBI	Incinerator 2 Indicate by circl	if Office o	Air Po Control of Solid Waste	identified N/A llution Device survey has	in your proc	Types Emission Avail	r residual s of ns Data lable of response	
<u>CBI</u>	Incinerator 1 2 3 Indicate by circl Yes	if Office of the approximate to burn the diagram of the approximate the approx	Air Po Control of Solid Wasteropriate response	identified N/A llution Device survey has	in your proc	Types Emission Avail	r residual s of ns Data lable of response	
CBI	Incinerator 1 2 3 Indicate by circl Yes	if Office of the approximate to burn the diagram of the approximate the approx	Air Po Control of Solid Wasteropriate respe	identified N/A llution Device survey has	s been submit	Types Emission Avail	r residual s of ns Data lable of response	

SECTION	Ω	HADVED	EXPOSURE
SECTION	4	WORKER	EXPOSURE

General Instructi

Questions 9.03-9.25 apply only to those processes and workers involved in manufacturing or processing the listed substance. Do not include workers involved in residual waste treatment unless they are involved in this treatment process on a regular basis (i.e., exclude maintenance workers, construction workers, etc.).

[__] Mark (X) this box if you attach a continuation sheet.

PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

9.01 Mark (X) the appropriate column to indicate whether your company maintains records on the following data elements for hourly and salaried workers. Specify for each data element the year in which you began maintaining records and the number of years the records for that data element are maintained. (Refer to the instructions for further explanation and an example.)

;		intained for:		Number of
Data Element	Hourly Workers	Salaried Workers	Data Collection Began	Years Records Are Maintained
Date of hire	<u> </u>	<u> </u>	1971	7yrs after terminatio
Age at hire	X	X	1971	7yrs after terminatio
Work history of individual before employment at your facility	NA	X	1971	7yrs after terminatio
Sex	X	X	1971	7yrs after terminatio
Race	NA	NA	NA	NA
Job titles	<u>X</u>	X	1971	7yrs after terminatio
Start date for each job title	X	X	1971	7yrs after terminatio
End date for each job title	X	X	1971	7yrs after terminatic
Work area industrial hygiene monitoring data	X	NA	1984	40yrs
Personal employee monitoring data	X	NA	1984	40yrs
Employee medical history	NA.	NA	NA	NA
Employee smoking history	NA	NA	NA	NA
Accident history	X	X	1971	7yrs after terminatic
Retirement date	X	X	1971	7yrs after terminatic
Termination date	X	X	1971	7yrs after terminatic
Vital status of retirees	NA	NA	NA	NA
Cause of death data	NA	NA	NA	NA NA

^[] Mark (X) this box if you attach a continuation sheet.

9.02 In accordance with the instructions, complete the following table for each activity in which you engage.

CBI

a.	b.	с.	d.	е.
Activity	Process Category	Yearly Quantity (kg)	Total Workers	Total Worker-Hours
Manufacture of the listed substance	Enclosed	0	0	0
iisted substance	Controlled Release	0	0	0
	0pen	0	0	0
On-site use as reactant	Enclosed	41,277.6	32	2,680.
reactant	Controlled Release	0	0	0
	0pen	0	0	0
On-site use as	Enclosed	0	0	0
nonreactant	Controlled Release	0	0	0
	0pen	0	0	0
On-site preparation	Enclosed	0	0	0
of products	Controlled Release	O		
	0pen	0	0	0

 $^[\ \]$ Mark (X) this box if you attach a continuation sheet.

9.03 CBI	Provide a descripti encompasses workers listed substance.	ve job title for each labor category at your facility that who may potentially come in contact with or be exposed to the
[_]		
,	Labor Category	Descriptive Job Title
	A	foam machine operator (lead set up)
	В	pouring machine operator
	С	general laborer
	D	Supervisor
	E	
	F	
	G	
	Н	
	I	
	J	

9.04	In accordance with the instructions, provide your process block flow diagram(s) and indicate associated work areas.
<u>CBI</u>	
[_]	Process type
	See 7.01 Attached Pages

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

General Instructions:

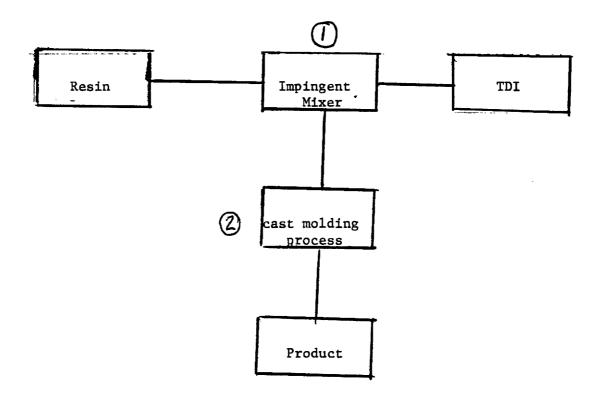
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

CBI

Process type <u>Urethane Foam Process (High Pressure)</u>



[] Mark (X) this box if you attach a continuation sheet.

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

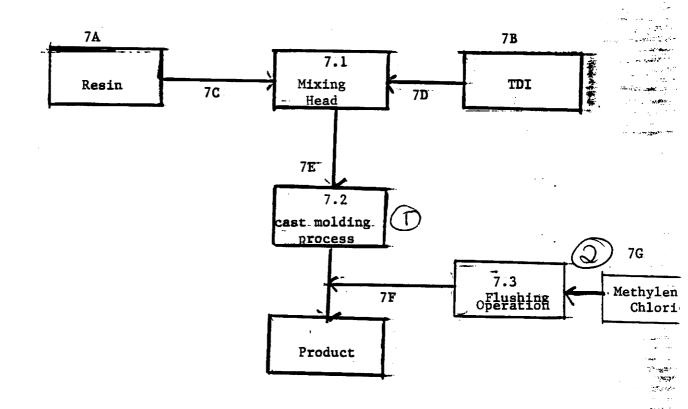
General Instructions:

For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance. CBI

Process type Urethane Foam Operation (Low Pressure)



[] Mark (X) this box if you attach a continuation sheet.

9.05 CBI	may potentially com additional areas no	s work area(s) shown in question 9.04 that encompass workers who e in contact with or be exposed to the listed substance. Add any t shown in the process block flow diagram in question 7.01 or is question and complete it separately for each process type.
	Process type	. Urethane Foam Operation (High Pressure)
		•
	Work Area ID	Description of Work Areas and Worker Activities
	1	impingent mixer-workers monitor flow of raw material to mixe
	2	cast molding-workers spray and clean molds
	3	
	4	· · · · · · · · · · · · · · · · · · ·
	5	
	6	
	7	
	8	
	9	
	10	

9.05	Describe the various	work area(s) shown in question 9.04 that encompass workers who
CBI	may potentially come is additional areas not s	in contact with or be exposed to the listed substance. Add any shown in the process block flow diagram in question 7.01 or question and complete it separately for each process type.
[_]	Process type	Urethane Foam-Operation (Low Pressure)
	Work Area ID	Description of Work Areas and Worker Activities
	1	cast mold - workers spray and clean molds
	2	flushing operation- workers activate flushing system according to need.
	3	System decorating to need.
	4	
	5	
	6	
	y	
	8	
	9	
	10	
	20	
	•	
[_]	Mark (X) this box if yo	ou attach a continuation sheet.

Process type Urethane Foam Operation (High Pressure).								
	•••••••••••				,			
Labor Category	Number of Workers Exposed	Mode of Expos (e.g., di skin cont	rect act)	Physical State of Listed Substance	Average Length of Exposure Per Day ²	Numi Days Ye Exp		
ABCD	10	direct ski	on n -	<i>ل</i> اق OL	E			
			·		***			
	-		-	744				
				-		•		

****			_					
GC = Gas (tempe GU = Gas (tempe	lowing codes to f exposure: condensible at rature and pre- uncondensible a rature and pre- des fumes, vapo	ambient ssure) at ambient ssure;	SY = S AL = A OL = O IL = I	l state of ludge or sl queous liqu rganic liqu mmiscible l specify pha	urry id id iquid	bstanc		
SO = Solid			9	0% water, 1	0% toluene)			
	lowing codes to	designate av						
	than 15 minute	es, but not	exe	ceeding 4 h				
exceedi	ng 1 hour than one hour,	•		eater than deceding 8 ho	4 hours, but r	ot		

]			Urethane Foam (Low Pressure)
	Work area	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	<u>2</u>		• • • • • • • • • • • • • • • • • • • •
	Labor Category	Number of Workers Exposed	Mode of Exposur (e.g., dire skin contaction	ect	Physical State of Listed Substance	Average Length of Exposure Per Day ²	Number Days pe Year Expose
	ABCD	10	direct skin	<u>. </u>	GU GU	E	200
							
	•						-
							-
	-						
	the point of temper of tem	condensible at trature and present the condensible trature and present trature.	essure) at ambient essure; cors, etc.) to designate ave	SY = AL = OL = IL = D = G	Sludge or sl Aqueous liqu Organic liqu Immiscible l (specify pha 90% water, 1 ngth of expo reater than xceeding 4 h	urry id id id iquid ises, e.g., 0% toluene) sure per day: 2 hours, but in ours 4 hours, but in	not

9.07	Weighted Average (tegory represented in question 9.06, (TWA) exposure levels and the 15-minuestion and complete it separately for	te peak exposure levels.
<u>CBI</u>	area.		
[_]	Process type	Urethane Foam Operation (High	and Low Pressure)
	Work area	lane	d2
	Labor Category	8-hour TWA Exposure Level (ppm, mg/m ³ , other-specify)	15-Minute Peak Exposure Leve (ppm, mg/m³, other-specify)
	ABCD	0.005 ppm (ACGIH) 0.02 OSHA PEL	NA
		•	,

B]	If you monitor work	er exposur	e to the li	sted substa	nce, compl	lete the fo	llowing tabl
•	Sample/Test	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who Samples ¹	Analyzed In-House (Y/N)	Number of Years Recor
	Personal breathing zone	NA	NA	NA	NA	NA	NA
	General work area (air)	Irregular	Irregular	UK	<u> </u>	N	UK
	Wipe samples	NA	NA	NA	NA	NA	NA
	Adhesive patches	NA	NA	NA	NA	NA	NA.
	Blood samples	NA	NA	NA	NA	NA	NA
	Urine samples	NA	NA	NA	NA	NA	NA
	Respiratory samples	UK	UK	UK	UK	UK	UK
	Allergy tests	NA	NA	NA	NA	NA_	NA.
	Other (specify)						
	NA						
	Other (specify)						
	Other (specify)						
	¹ Use the following c A = Plant industria B = Insurance carri C = OSHA consultant D = Other (specify)	l hygienis er		takes the	monitorin	g samples:	

[_]	Sample Type	S	Sampling and Analyt	ical Methodolo	ogy			
	General Work Area		p w/midget impinge					
		****			7. 1			
9.10	If you conduct persona specify the following	l and/or ambient information for	air monitoring for each equipment type	r the listed s	ubstance,			
<u>CBI</u>		NA		Averaging				
[_]	Equipment Type ¹	Detection Limit ²	<u>Manufacturer</u>	Time (hr)	Model Numbe			
	¹ Use the following code	es to designate	personal air monito	oring equipmen	t types:			
	A = Passive dosimeter B = Detector tube							
	<pre>C = Charcoal filtration D = Other (specify)</pre>	on tube with pump	•					
	Use the following codes to designate ambient air monitoring equipment types:							
	E = Stationary monitor	s located within	n work area	- , .	•			
	F = Stationary monitor G = Stationary monitor	s located at pla	ant boundary					
	<pre>H = Mobile monitoring I = Other (specify)</pre>	equipment (speci	fy)					
	² Use the following codes to designate detection limit units:							
	A = ppm B = Fibers/cubic centi	meter (f/cc)						
	C = Micrograms/cubic m	eter (µ/m³)						

	ption	(weekly, monthly, yearly	y, etc.
In the past we have	e conducted routine	Periodically	
medical tests.		-	
- <u>-</u>	**************************************		
			
		medical tests.	

9.12 CBI	Describe the engineering corto the listed substance. Phyrocess type and work area.	ntrols that yo hotocopy this	u use to reduce o question and comp	r eliminate wor lete it separat	ker exposu ely for ea
	Process type	. Urethane	Foam Operation (F	ligh and Low Pr	essure)
·_,	Work area		F SAME	1 and 2	
	Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgrade
	Ventilation:				
	Local exhaust	Y	1985	N	NA
	General dilution	Y	1985	<u> </u>	NA.
	Other (specify)				
	NA				
	Vessel emission controls				
	Mechanical loading or packaging equipment	<u></u>			
	Other (specify)				
	NA.				

[] Mark (X) this box if you attach a continuation sheet.

	ŊA	
	ype	
Work area	l	••••
	Equipment or Process Modification	Reduction in Wor Exposure Per Year
		-
-		

	ALL THE SAME FOR HIGH + LOW and WOK GREAT Process type	9.14	in each work area in orde substance. Photocopy thi	r to reduce or eliminat	e their exposure	e to the listed
ALL THE SAME FOR HIGH + LOW and Work areas Urethane Foam Operation (High and Low Pressure) Work area	ALL THE SAME FOR HIGH + LOW and Work area. Trethane Foam Operation (High and Low Pressure)	CBT	and work area.			
Work area 1 and 2 Equipment Types (Y/N) Respirators voluntary Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify) 0	Work area 1 and 2 Equipment Types Wear or Use (Y/N) Respirators voluntary Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify) Other		•	ALL THE SAME FO	OR HIGH + LOW	and work areas
Wear or Use	Wear or Use	[_]	Process type	Urethane Foam Operation	n (High and Low	Pressure)
Wear or Use	Wear or Use		Work area			1 and 2
Equipment Types Use (Y/N) Respirators voluntary Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify) N	Equipment Types Use (Y/N) Respirators voluntary Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify) N					
Equipment Types Use (Y/N) Respirators voluntary Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify) N	Equipment Types (Y/N) Respirators voluntary Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify)				Wear or	
Respirators Safety goggles/glasses Y Face shields Coveralls Bib aprons Y Chemical-resistant gloves Other (specify)	Respirators Safety goggles/glasses Y Face shields Coveralls Bib aprons Y Chemical-resistant gloves Other (specify)					
Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify)	Safety goggles/glasses Y Face shields N Coveralls N Bib aprons Y Chemical-resistant gloves N Other (specify) N		<u>Equi</u>	pment Types	(Y/N)	
Face shields Coveralls Bib aprons Chemical-resistant gloves Other (specify)	Face shields Coveralls Bib aprons Chemical-resistant gloves Other (specify)		Resp	irators	voluntary	
Coveralls Bib aprons Y Chemical-resistant gloves Other (specify)	Coveralls Bib aprons Y Chemical-resistant gloves Other (specify)		Safe	ty goggles/glasses	Y	
Bib aprons Y Chemical-resistant gloves Other (specify)	Bib aprons Y Chemical-resistant gloves N Other (specify)		Face	shields	N	
Chemical-resistant gloves N Other (specify)	Chemical-resistant gloves N Other (specify)		Cove	ralls	N	
Other (specify)	Other (specify)		Bib	aprons	Y	
			Chem	ical-resistant gloves	N	
			Othe	r (specify)	€	
			Safe	ty Shoes		

[_]	Mark (X)	this	box	if y	70u	attach	а	continuation	sheet.		

9.15	process t respirato tested, a	s use respirators when wype, the work areas where used, the average used it separately for each p	e the respiratinge, whether or by of the fit t	ors are us	sed, the type respirators w	of ere fit
CBI				N/A		
	Process t	ype				
·—,	1100035 0		, , , , , , , , , , , , , , , , , , , ,			
	Work Area	Respirator Type	Average Usage ¹	Fit Tested (Y/N)	Type of Fit Test ²	Frequency of Fit Tests (per year)
						-
	2 Use the 1 QL = Qual	ly hly a year r (specify) following codes to design	nate the type o	of fit tes	t:	

9.19 <u>CBI</u>	Describe all of the work eliminate worker exposure authorized workers, mark monitoring practices, proquestion and complete it	to the listed s areas with warnii vide worker traii	ubstance (e.g ng signs, ins ning programs	., restrict e ure worker de , etc.). Pho	ntrance only to tection and tocopy this
[_]	Process type	Frethane Foam Ope	eration (High	and Low Pres	
	Work area	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •	···l_and	high + low
	restrict entrance	only to authoriz	ed workers, p	provide worke	r training
	programs, maintain	MSDS's for empl	oyee use, dis	scuss TDI on	a yearly
	basis in Right-to-	Know training cl	asses.	VI-VI-VI-VI-VI-VI-VI-VI-VI-VI-VI-VI-VI-V	**************************************
9.20	Indicate (X) how often you leaks or spills of the lis separately for each process Process type Uret	sted substance. ss type and work Nane Foam Oper	Photocopy thi area.	is question an	lean up routine nd complete it e for high/lo and work an
9.20	Process type Ure+	sted substance. ss type and work Nane Foam Oper Less Than	Photocopy this area. The large of the large	s question and 2 3-4 Times	e for high/lo and work an
9.20	Process type Uret Work area	sted substance. ss type and work nane Foam Oper	Photocopy this area.	is question and 2	e for high/lo and work an
9.20	Process type Ure+	sted substance. ss type and work Nane Foam Oper Less Than	Photocopy this area. The last section of the	s question and 2 3-4 Times	e for high/lo and work ar
9.20	Process type Uret Work area Housekeeping Tasks Sweeping	Less Than Once Per Day	Photocopy this area. The last section of the	and 2 3-4 Times Per Day	More Than 4
9.20	Process type Uret Work area Housekeeping Tasks Sweeping Vacuuming	Less Than Once Per Day	Photocopy this area. Tahai 1-2 Times Per Day X NA	and 2 3-4 Times Per Day	More Than 4 Times Per Day
9.20	Housekeeping Tasks Sweeping Vacuuming Water flushing of floors	Less Than Once Per Day	Photocopy this area. Tahai 1-2 Times Per Day X NA	and 2 3-4 Times Per Day	More Than 4 Times Per Day
9.20	leaks or spills of the lisseparately for each process Process type Uret Work area Housekeeping Tasks Sweeping Vacuuming Vacuuming Water flushing of floors Other (specify)	Less Than Once Per Day	Photocopy this area. Tahai 1-2 Times Per Day X NA	and 2 3-4 Times Per Day	More Than 4 Times Per Day
9.20	leaks or spills of the lisseparately for each process Process type Uret Work area Housekeeping Tasks Sweeping Vacuuming Vacuuming Water flushing of floors Other (specify)	Less Than Once Per Day	Photocopy this area. Tahai 1-2 Times Per Day X NA	and 2 3-4 Times Per Day	More Than 4 Times Per Day

9.21								
	Do you have a writte exposure to the lis	en medical action plan for responding to routine or emergency ted substance?						
	Routine exposure							
	Yes	•••••••••••••••••••••••••••••••••••••••						
	No	• • • • • • • • • • • • • • • • • • • •						
	Emergency exposure							
(Yes	• • • • • • • • • • • • • • • • • • • •						
	No	•••••••••••••••••••••••••••••••••••••••						
	If yes, where are co	opies of the plan maintained?						
	Routine exposure:	Within Material Safety Data Sheet Books within the departments						
	Emergency exposure:	and on file with the Safety Coordinator Within Material Safety Data Sheet Books within the departments						
		and on file with the Safety Coordinator						
`	<u></u>							
	If yes, where are co	opies of the plan maintained?						
	If yes, where are co	opies of the plan maintained? within department and on file wit coordinated with state or local government response organizations						
(If yes, where are co	opies of the plan maintained? within department and on file wit coordinated with state or local government response organizations						
(If yes, where are confident that this plan been of Circle the appropriates	opies of the plan maintained? within department and on file wit Safety Coordinator coordinated with state or local government response organizations ate response.						
9.23	If yes, where are confident that this plan been of Circle the appropriates	opies of the plan maintained? Within department and on file with Safety Coordinator organizations are response. Sometiment response organizations are response.						
9.23	If yes, where are constitution of the second of the appropriate response of the second	opies of the plan maintained? Within department and on file with Safety Coordinator organizations are response. Sometiment response organizations are response.						
9.23 (If yes, where are constitution of the second of the appropriate response to the second of the second	opies of the plan maintained? within department and on file with some coordinated with state or local government response organizations at eresponse. For monitoring worker safety at your facility? Circle the						
9.23	If yes, where are constitution of the second of the appropriate responsible from the safety special insurance carrier.	opies of the plan maintained? within department and on file with some coordinates or local government response organizations are response. for monitoring worker safety at your facility? Circle the						
9.23	If yes, where are constitution of the series of the appropriate responsible of appropriate response of the safety special of the saf	opies of the plan maintained? within department and on file with some coordinated with state or local government response organizations are response. for monitoring worker safety at your facility? Circle the distance of the department and on file with some coordinated with state or local government response organizations are response.						

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RQ.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

RT A GENERAL INFORMATION	
.01 Where is your facility located? Circle all appropriate responses.	
<u>I</u>	
Industrial area	1
Urban area	2
Residential area	3
Agricultural area	4
Rural area	5
Adjacent to a park or a recreational area	6
Within 1 mile of a navigable waterway	7
Within 1 mile of a school, university, hospital, or nursing home facility	8
Within 1 mile of a non-navigable waterway	. 9
Other (specify)	.10
Mark (X) this box if you attach a continuation sheet.	

10.02	Specify the exact location of you is located) in terms of latitude (UTM) coordinates.	r facility (from cen and longitude or Uni	tral point where versal Transvers	e process unit se Mercader							
	Latitude 42 ° 52 ′ 40										
	Longitude 18 ° 0 ' 0										
	UTM coordinates Zone	UK , North	ing <u>UK</u> , Ea	sting UK							
10.03	If you monitor meteorological continue the following information.	litions in the vicin	ity of your faci	lity, provide							
	Average annual precipitation			inches/yea							
	Predominant wind direction										
10.04	Indicate the depth to groundwater Depth to groundwater	-		meters							
10.05 CBI	For each on-site activity listed, listed substance to the environmer Y, N, and NA.)	indicate (Y/N/NA) al t. (Refer to the in	ll routine releanstructions for	ses of the a definition o							
[_]	On-Site Activity	Envi Air	ronmental Releas	se Land							
	Manufacturing	NA	NA NA								
		NA	NA								
	Importing	NA NA	NA NA	NA NA							
	· ·		NA	NA.							
	Importing	NA N	NA MA	NA NA							
	Importing Processing	NA	NA	NA.							
	Importing Processing Otherwise used	NA N	NA NA	NA NA NA NA							
	Importing Processing Otherwise used Product or residual storage	NA NA NA	NA NA NA	NA NA							
	Importing Processing Otherwise used Product or residual storage Disposal	NA NA NA NA	NA NA NA	NA NA NA NA							
	Importing Processing Otherwise used Product or residual storage Disposal	NA NA NA NA	NA NA NA	NA NA NA NA							

10.06	Provide the following information for the listed substance and spe of precision for each item. (Refer to the instructions for further an example.)	cify the level er explanation	and
CBI	an example,		
[_]	Quantity discharged to the air trace amounts	kg/yr ±	%
	Quantity discharged in wastewaters 0.0	kg/yr <u>+</u>	%
	Quantity managed as other waste in on-site treatment, storage, or disposal units 0.0	kg/yr ±	%
	Quantity managed as other waste in off-site treatment, storage, or disposal units 3,629.	kg/yr <u>+</u>	<u><</u> %
	,		
	•		

<u>[</u>	for each process street process block or resi	technologies used to minimize release eam containing the listed substance as dual treatment block flow diagram(s). eately for each process type.	identified in vour
]	Process type	Urethane Foam Operation	CHigh Pressure
	Stream ID Code	Control Technology	Percent Efficienc
		We do not use any co waste emitted in final	introl technologi i product form

[_]	Process type	Urethane Foam Operation (L	ow Pressure)
	Stream ID Code	Control Technology N/A	Percent Efficienc
		not use any control technol	
	Mixing	not use any control technology head has flush vented barr	rels.

PART	B RELEASE TO AIR	
10.09 <u>CBI</u>	substance in terms of a S residual treatment block source. Do not include re	Identify each emission point source containing the listed tream ID Code as identified in your process block or flow diagram(s), and provide a description of each point aw material and product storage vents, or fugitive emissio leaks). Photocopy this question and complete it separatel
	Process type <u>U(e</u>	thane Foam Operation (High Pressure)
	Point SourceID Code	Description of Emission Point Source
		Stack
	70	Stack
	<u> 7E</u>	<u>stack</u>
		Stack
	7 6	Stack
	-	
[-]	Mark (X) this box if you at	tack a continuation of the

10.09 <u>CBI</u> [_]	substance i residual tr source. Do	n terms of a Stream ID eatment block flow diagnot include raw mater. g., equipment leaks).	y each emission point source containing the l Code as identified in your process block or gram(s), and provide a description of each po ial and product storage vents, or fugitive em Photocopy this question and complete it sepa	int
	Process typ	e <u>Urethane</u>	Foam Operation (Low Pressure)	
	Point Source ID Code		Description of Emission Point Source	
	<u> 7D</u>		stack	· · · · · · · · · · · · · · · · · · ·
	7E		Stack	
	7F		stack	
	76	***************************************	Stack	
	<u> 7H</u>		stack	
			stack	
	75		stack	
			· .	

[_]	Mark	(X)	this	pox	if	you	attach	а	continuation	sheet.
-----	------	-----	------	-----	----	-----	--------	---	--------------	--------

<

10.11 Stack Parameters -- Identify the stack parameters for each Point Source ID Code identified in question 10.09 by completing the following table.

CBI

<u> </u>	¥		Stack					
·,	Point Source ID	Stack	Inner Diameter	Exhaust Temperature	Emission Exit Velocity	Hig Building	Building	
	Code	<pre>Height(m)</pre>	<u>(m)</u>	(°C)	(m/sec)	Height(m)	Width(m) ²	Vent Type ³
	7C	1.83	.60	21	3.05	6.1	15.25	
	7D	₩	11	11	11	11	11	11
	7E	11	11	11	11	11	11	FI
	7 F	řt ·	11	11	11	.11	11	11
	7G	11	11	ti	rt	11	11	11
					-			
					-	-		

¹Height of attached or adjacent building

H = Horizontal

V = Vertical

²Width of attached or adjacent building

³Use the following codes to designate vent type:

10.11 Stack Parameters -- Identify the stack parameters for each Point Source ID Code identified in question 10.09 by completing the following table.

LOW PRESSURE

Point Source ID Code	Stack Height(m)	Stack Inner Diameter (at outlet) (m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building <u>Height(m)</u> 1	Building Width(m)	Vent Type ³
7D	1.83	.60	21	5.67	61	15.24	٧-
7E	11		11	11	11	Ħ	ŧŧ
7F	· ·	11	11	11	11	tt .	11
7G	11	11	II	11	tt ·	11	11
7H	11	11	11	t1	11	11	11
7I	11	11	11	11	11	!!	t†
7.J	Ħ	<u>tt</u>		11	11		11
			1-50				

¹Height of attached or adjacent building

H = Horizontal

V = Vertical

[_]	Mark (X)	this	box	if	you	attach	а	continuation	sheet.			

²Width of attached or adjacent building

 $^{^{3}\}mbox{Use}$ the following codes to designate vent type:

10.12	distribution for each Point Source	l in particulate form, indicate the particle siz ID Code identified in question 10.09. Ite it separately for each emission point source
<u>CBI</u>	N	
[_]	Point source ID code	
	Size Range (microns)	Mass Fraction (% \pm % precision)
	< 1	
	≥ 1 to < 10	
	≥ 10 to < 30	
	≥ 30 to < 50	
	≥ 50 to < 100	
	≥ 100 to < 500	
	≥ 500	
		Total = 100%
	1	

10.13 CBI	Equipment Leaks Complete types listed which are expactording to the specified the component. Do this for residual treatment block for exposed to the listed process, give an overall presposed to the listed substor each process type.	osed to the weight percer reach procest low diagram(s substance.	listed suent of thes type is). Do not this itime per	bstance a e listed dentified ot includ s a batch vear tha	nd which substance in your e equipme or inter t the pro	are in se passing process b nt types mittently cess type	rvice through lock or that are operated			
[_]	Process type									
'_,	Percentage of time per year that the listed substance is exposed to this process type									
			of Compos of Liste	nents in d Substan	Service by	y Weight : cess Strea	Percent			
	Equipment Type	Less					Greater			
	Pump seals ¹	than 5%	3-10%	11-25%	<u>26-75%</u>	<u>76-99%</u>	than 99			
	Packed									
	Mechanical									
	Double mechanical ²	-								
	Compressor seals ¹									
	Flanges			— <u>~</u> {	/					
	Valves									
	Gas ³			$\langle \zeta \rangle$						
	Liquid		4							
	Pressure relief devices (Gas or vapor only)		4							
	Sample connections	\sim								
	Gas	40								
	Liquid									
	Open-ended lines ⁵ (e.g., purge, vent)									
	Gas									
	Liquid									
	¹ List the number of pump an compressors	d compressor	seals, r	ather tha	n the num	ber of pu	mps or			
10.13	continued on next page									

10.13	(continued)			
	² If double mechanical seals greater than the pump stude will detect failure of the with a "B" and/or an "S",	ffing box pressure a e seal system, the b	and/or equipped wit	th a sensor (S) that
	³ Conditions existing in the	e valve during norma	al operation	
	⁴ Report all pressure relief control devices	devices in service	e, including those	equipped with
	⁵ Lines closed during normal operations	operation that wou	ald be used during	maintenance
10.14 <u>CBI</u>	Pressure Relief Devices wit pressure relief devices ide devices in service are cont enter "None" under column o	ntified in 10.13 to rolled. If a press	indicate which pr	essure relief
[_]	a.	b. (V/	c.	d.
	Number of Pressure Relief Devices	Percent Chemical in Vessel ¹	Control Device	Estimated Control Efficiency ²
				<u> </u>

			1	
	Refer to the table in quest heading entitled "Number of Substance" (e.g., <5%, 5-10 The EPA assigns a control e	Components in Serv %, 11-25%, etc.) fficiency of 100 pe	ice by Weight Perc	ent of Listed t leaks controlled
	with rupture discs under no efficiency of 98 percent fo conditions	rmal operating cond:	itions. The EPA a	ssigns a control

10.15 CBI	Equipment Leak Detection place, complete the procedures. Photocotype.	following table re	garding tho:	se leak det	ection and r	epair
[_]	Process type	·····/				
	Equipment Type	Leak Detection Concentration (ppm or mg/m³) Measured at Inches from Source	Detection Device			
	Pump seals Packed Mechanical Double mechanical Compressor seals Flanges Valves Gas Liquid Pressure relief devices (gas or vapor only) Sample connections Gas Liquid Open-ended lines Gas Liquid					
	¹ Use the following control of POVA = Portable organisms of Pova = Fixed point me to a control of the control	odes to designate d anic vapor analyzer onitoring	letection de	vice:		

Mark	<u> </u>			atment block	J	, .	Vessel	Vessel		Operating	-				
(X) thi		Vessel Type	Floating Roof Seals ²	Composition of Stored Materials ³	Throughput (liters per year)	Rate	Filling Duration (min)	Inner	Height	Vessel Volume	Vessel Emission Controls	Design Flow Rate ⁵		Control Efficiency (%)	Basis for Estimate
kod si					all the same of th									-	
if you					l is in se		110n	drums			·				
					ae	aled 55							•		
attach				i8	1 is in				1						
a				Mater		-									***
유															
continuation sheet.		F : CIF : NCIF : EFR : P : U :	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro	internal flo act internal floating ro vessel (ind al and	ating roof floating roo of icate pressu	f re rating	g)	MS1 MS2 MS2I LM1 LM2 LMW VM1 VM2 VMW	= Mecl = Shoot R = Rim- = Liqu = Rim- = Veau = Vapo = Rim- = Veau	hanical e-mounte uid-mounte ther shi or mounte ther shi e-mounte ther shi	shoe, prined secondari d, secondari nted resili d shield ield ted resili d secondary	mary ry ient fil ent fill	led seal, ed seal,	primary	3:
		CIF : NCIF : EFR : P : U : Indica Other	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro ate weight than floa	of internal flo ict internal floating ro vessel (ind al and percent of	ating roof floating roo of icate pressu the listed s	f re ratino ubstance.	g) Include	MS1 MS2 MS2I LM1 LM2 LMW VM1 VM2 VMW the total	= Mecl = Shoo R = Rim = Liqu = Rim = Vear = Vapx = Rim = Wear	hanical e-mounted uid-mounted ther shi e-mounted ther shi e-mounted ther shi ile orga	shoe, princed secondari d, secondari nted resili- d shield ield ted resili- d secondary ield	mary ry ient fil ent fill y nt in pa	led seal, ed seal,	primary primary	
		CIF : NCIF : EFR : U : 3 Indica 4 Other 5 Gas/va	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro ate weight than floa	of internal flo ict internal floating ro evessel (indial und percent of iting roofs rate the emi	ating roof floating roo of icate pressu the listed s ssion contro	f re rating ubstance	() Include was desig	MS1 MS2 MS21 LM1 LM2 LMW VM1 VM2 VMW the total	= Mecl = Shoo R = Rim = Liqq = Rim = Vear = Rim = Wear I volat:	hanical e-mounted uid-mounted ther shi e-mounted ther shi ile orga	shoe, princed secondari d, secondari nted resili- d shield ield ted resili- d secondary ield	mary ry ient fil ent fill y nt in pa	led seal, ed seal,	primary primary	
		CIF : NCIF : EFR : U : 3 Indica 4 Other 5 Gas/va 6 Use th	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro ate weight than floa	internal floating ro e vessel (indial und percent of ting roofs rate the emi	ating roof floating roo of icate pressu the listed s ssion contro	f re rating ubstance	() Include was desig	MS1 MS2 MS21 LM1 LM2 LMW VM1 VM2 VMW the total	= Mecl = Shoo R = Rim = Liqq = Rim = Vear = Rim = Wear I volat:	hanical e-mounted uid-mounted ther shi e-mounted ther shi ile orga	shoe, princed secondari d, secondari nted resili- d shield ield ted resili- d secondary ield	mary ry ient fil ent fill y nt in pa	led seal, ed seal,	primary primary	 s:

Release Started (am/pm) Stopped (am/p 1 2 3 4 5 6 10.24 Specify the weather conditions at the time of each release.	10.23		If there	ime when the more than	release occurre n six releases,	d and when the re attach a continu	lease ceased or ation sheet and
2 3 4 5 6 10.24 Specify the weather conditions at the time of each release. Release Wind Speed Wind Humidity Temperature Precipita (km/hr) Direction (%) (°C) (Y/N) 1 2 3 4		Release					Time (am/pm)
3 4 5 6 10.24 Specify the weather conditions at the time of each release. Wind Speed Wind Humidity Temperature Precipita Release (km/hr) Direction (%) (°C) (Y/N) 1 2 3 4		1					
4 5 6 10.24 Specify the weather conditions at the time of each release. Wind Speed Wind Humidity Temperature Precipita		2				•	
5 6 10.24 Specify the weather conditions at the time of each release. Wind Speed Wind Humidity Temperature Precipita		3					
Specify the weather conditions at the time of each release. Wind Speed Wind Humidity Temperature Precipita			· · · · · · · · · · · · · · · · · · ·				-
Wind Speed Wind Humidity Temperature Precipita (km/hr) Direction (%) (°C) (Y/N) 1 2 3 4		5					
Wind Speed Wind Humidity Temperature Precipitation (%) (°C) (Y/N) 1 2 3 4							
2 3 4	10.24	Specify the		ditions at the	time of each	release.	
3 4	10.24	Specify the	ind Speed	Wind	Humidity	Temperature	
4	10.24	Specify the Ware Release	ind Speed	Wind	Humidity	Temperature	
	10.24	Specify the WRelease	ind Speed	Wind	Humidity	Temperature	Precipitatio (Y/N)
5	10.24	Specify the Release 1 2	ind Speed	Wind	Humidity	Temperature	
	10.24	Specify the Release 1 2 3 4	ind Speed	Wind	Humidity	Temperature	
6	10.24	Specify the Release 1 2 3 4 5	ind Speed	Wind	Humidity	Temperature	

[_] Mark (X) this box if you attach a continuation sheet.

VOPLEX CORPORATION 203 NORTH STREET CANANDAIGUA, NY 14424

Document Processing Center Office of Toxic Substances, TS-790 U.S. Environmental Protection Agency 401 M Street, SW Washington, DC 20460

Attention: CAIR Reporting Office



Fold at line over top of envelope to the right of the return address.

CERTIFIED

P 040 166 889

MAIL

U.S. PRIORITY MAIL

TR. PT.	CONNECTION		BILLED TO	STEPPE .	WEIGHT
		()	
,					

U.S. PRIORITY MAIL

LABEL 4, FEB. 1976